Michigan Refining Division

Marathon Petroleum Company LP

1300 South Fort Street
Detroit, MI 48217
Telephone 313/843-9100

FEDERAL EXPRESS

July 24, 2012

MAILED

Ms. Wilhelmina McLemore
MDEQ – Air Quality Division
Cadillac Place
3058 West Grand Boulevard
Suite 2-300
Detroit, MI 48202

RE: Second Quarter 2012 Leak Detection and Repair, Wastewater VOC, and Benzene Waste NESHAP Certification and Compliance Report

Dear Ms. McLemore:

This report is being submitted by the Michigan Refining Division of Marathon Petroleum Company LP (MPC) to fulfill the requirements of:

- The fugitive and wastewater VOC emissions monitoring program for the second quarter of 2012. This report is required by Michigan Air Rule 622, U.S. EPA's New Source Performance Standards (NSPS), and the National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries. In addition, this report contains information required by Paragraph 20Oiic of the First Modification to the November 2005 First Revised Consent Decree (CD), United States of America et. al. v. Marathon Petroleum Company LP (MPC) (Civil Action No. 4:01CV-40119-PVG), lodged February 7, 2008 and entered on March 31, 2008.
- The Benzene Waste NESHAP Subpart FF Certification and Compliance report for the second quarter of 2012. This report is required by 40 CFR 61 Subpart FF and Paragraph 18.P.ii.b of the Consent Decree.

The attached tables include information necessary for compliance with these requirements.

Table 1 lists MPC process units (NSPS VV Section 60.487 (c)(1)) and summarizes the process unit shutdowns that occurred during this quarter (NSPS VV Section 60.487 (c)(3)). Table 1 also includes the approximate number of components present in each unit at the beginning and ending of the reporting period (NSPS VV Section 60.487(c)(4)).

Table 2 lists the components found leaking and an exceedance summary for various pieces of control equipment or treatment processes during this quarter and the dates of repair (NSPS VV Section 60.487(c)(2) and 40 CFR 61.357(d)(7)).

Table 3 lists leaking components on delay of repair (NSPS VV Section 60.487(c)(2)). This information is also required by Paragraph 20.O.ii.c.2.f of the CD.

Table 4 includes information satisfying NSPS Subpart QQQ (Section 60.698(c)) requirements.

This table summarizes drain and junction box inspections that identified seals with low water level or other problems that could result in VOC emissions. In addition, subsequent corrective actions and/or repairs are identified. All required inspections for the QQQ standards have been completed as required.

Table 5 presents measures that MPC took to satisfy Paragraphs 20.O.ii.c.1 and 18.P.ii.b of the CD.

Table 6 lists specific monitoring information as required per Paragraph 20.O.ii.c.2.a–e of the CD.

Table 7 contains the certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61.357(d)(6).

Table 8 contains the exceedance summary for various pieces of control equipment or treatment processes as required in 40 CFR 61.357(d)(7) and 40 CFR 60.692-5(e)(5).

Table 9 contains the End of Line calculation as required per Paragraph 18.K.iii and 18.P.ii.b of the CD. The refinery received written approval of the End of Line Sampling Plan on March 8, 2010.

Table 10 includes information satisfying Benzene Waste NESHAP Subpart FF (Section 61.357(d)(8)) requirements.

This table summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified. Additionally, subsequent corrective actions and/or repairs are identified.

Please contact Ms. Kristen Schnipke (313) 297-4750 or Mr. Greg Shay (313) 297-6115 if you have any questions concerning this submittal.

Sincerely,

Marathon Petroleum Company LP

By: MPC Investment LLC, General Partner

C T Case

Mr. C.T. Case, Deputy Assistant Secretary

Attachments

cc: U.S. EPA, Director of Regulatory Enforcement c/o Matrix Environmental and Geotechnical – *Federal Express*
Air and Radiation Division, U.S. EPA Region 5 –*Federal Express*
Office of Regional Counsel, U.S. EPA Region 5 – *Federal Express*

MICHIGAN DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT
AIR QUALITY DIVISION

RENEWABLE OPERATING PERMIT
REPORT CERTIFICATION

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Natural Resources and Environment, Air Quality Division upon request.

Source Name: Marathon Petroleum Company LP County: Wayne

Source Address: 1300 South Fort Street City: Detroit

AQD Source ID (SRN): A9831 ROP No.: 199700013c ROP Section No.: 01

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.

☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.

☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 4/1/2012 To 6/30/2012

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Second Quarter Leak Detection and Repair, Benzene Waste NESHAP and QQQ Report

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Name of Responsible Official (print or type)	Title	Phone Number
C.T. Case	MPC Investment LLC, its General Partner Deputy Assistant Secretary	(313)843-9100

C.T. Case
Signature of Responsible Official

7/25/12
Date

* Photocopy this form as needed.

EQP 5736 (Rev 2-10)

Table 1
Component Summary - Second Quarter Quarter 2012
Michigan Refining Division

Complex	Unit	Description	Approximate Number of Components						Dates of Shutdown
			Pumps		Valves		Compressors		
			3/31/2012	6/30/2012	3/31/2012	6/30/2012	3/31/2012	6/30/2012	
1	4	Vacuum Unit	5	5	459	564	2	2	
	5	Crude Unit	32	32	2,136	2,300	0	0	
	29	Wastewater Plant	16	18	729	852	0	0	
2	7	Distillate Hydrotreater Unit	20	21	1,300	1,414	3	3	
	8	Gas Oil Hydrotreater Unit	5	5	1,562	1,707	2	2	
	9	Alkylation Unit	29	30	2,063	2,081	1	1	
3	11	Fluid Catalytic Cracking Unit	6	6	490	483	0	0	
	13	Propylene Unit	9	9	692	698	3	3	
	12 21	Gas Con/SATS Depropanizer/Treaters	27	27	1,982	2,160	1	1	
4	14	Continuous Catalytic Reformer Unit	14	14	2,071	2,071	2	2	
	16	Naphtha Hydrotreater Unit	23	23	1,743	1,971	0	0	
	19	Kerosene Hydrotreater Unit	8	8	685	691	1	1	
5	1	Crude Tank Farm	24	24	829	811	0	0	
	2	LPG Tank Farm	20	20	2,152	2,150	0	0	
	3/4	CP/Melvindale Tank Farms	26	26	1,560	1,538	0	0	
	38	Rouge Terminal	NA	2	NA	50	0	0	
		Light Products Terminal	18	15	888	808	0	0	

Table 2
Leakers Detected During Second Quarter 2012
Michigan Refining Division

Month	Complex	Unit	VOC Tag I.D.	Component Type	Date Leak Detected	Date of Repair*

SEE ATTACHED TABLE

*R/D = Repair Delay S/D = Shutdown Required

MARATHON - DETROIT
1300 SOUTH FORT STREET
DETROIT, MI 48217

07/12/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 01

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
1634	VALVE/ ORBIT	8.00	MANNINO PIT SW OF TK 40								
				05/01/2012	M21	16900 PPM	VLV-PKG	05/01/2012	VLV-CP	9235.00	
				05/01/2012	M21	9235 PPM		05/01/2012	VLV-TP	1500.00	
				05/01/2012	M21	1500 PPM		05/02/2012	VLV-INJ	194.00	
				05/02/2012	M21	194 PPM					05/02/2012
2192	PUMP	0.00	W of carbon can station 11 in API								
				03/27/2012	M21	29100 PPM	PMP-SEAL	03/27/2012	PMP-WSE	10200.00	
				03/27/2012	M21	10200 PPM		03/27/2012	PMP-WSE	0.00	
				03/27/2012	VIS	F		03/28/2012	PMP-WSE	16.00	
				03/28/2012	M21	16 PPM					
				04/03/2012	VIS	P					04/03/2012

Process Unit 01 Summary

	Component Count	Leak Count
Total in Group	2	2
Total Valves	1	1
Total Pumps	1	1
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2366	VALVE/ BALL	3.00	15FT SW OF TK98 @UG-5-009 DOT LINE	*** Placed on Delay for Turnaround on 05/02/2012							
				05/16/2012	VIS	F	VLV-PKG	05/16/2012	VLV-CL	18500.00	
				05/16/2012	M21	18500 PPM					
				05/16/2012	M21	38100 PPM		06/11/2012	VLV-CL	17400.00	
				06/11/2012	M21	17400 PPM					
				06/11/2012	M21	6420 PPM					
2725	VALVE/ ORBIT	2.00	TOP OF TK190. N SIDE OF CATWALK. W VLV.								
				06/05/2012	M21	29600 PPM	VLV-PLUG	06/05/2012	VLV-CL	2610.00	
				06/05/2012	M21	2610 PPM					06/05/2012
2826	VALVE/ CHECK	3.00	N SIDE OF TK 99 @ BTM.								
				06/06/2012	M21	43200 PPM	VLV-PKG	06/06/2012	VLV-CL	17500.00	
				06/06/2012	M21	17500 PPM		06/06/2012	VLV-TPLG	110.00	
				06/06/2012	M21	110 PPM					06/06/2012
3109	VALVE/ CHECK	4.00	BTM SSD OF TK 92 7FT E OF TK 91								
				05/16/2012	M21	16800 PPM	VLV-PLUG	05/16/2012	VLV-CL	21900.00	
				05/16/2012	M21	21900 PPM		05/17/2012	VLV-TPLG	280.00	
				05/17/2012	M21	280 PPM					05/17/2012
3135	VALVE/ ORBIT	4.00	BTM SESD OF TK 94 7FT E OF TK 93								
				06/12/2012	M21	44500 PPM	VLV-PKG	06/12/2012	VLV-CL	1324.00	
				06/12/2012	M21	1324 PPM					06/12/2012
3412	VALVE/ GATE	0.75	SSD OF BULLET 93 1FT SW OF TANK ON SMPL STATION 10FT E OF BULLET 92								
				06/12/2012	M21	19700 PPM	VLV-BON	06/12/2012	VLV-CL	129600.00	
				06/12/2012	M21	129600 PPM		06/12/2012	VLV-RGSK	6.00	
				06/12/2012	M21	6 PPM					06/12/2012
3889	VALVE/ ORBIT	6.00	TOP OF TK87 W SDE								

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
3889	VALVE/ ORBIT	6.00	TOP OF TK87 W SDE								
				05/16/2012	M21	10600 PPM	VLV-PKG	05/16/2012	VLV-CL	2978.00	
				05/16/2012	M21	2978 PPM					05/16/2012
3958	PUMP	0.00	22P87 12' W OF TK80								
				05/31/2012	VIS	F	PMP-SCR	05/31/2012	PMP-TFI	0.00	
				06/01/2012	VIS	F		06/01/2012	PMP-WSE	10000.00	
				06/01/2012	M21	10000 PPM		06/04/2012	PMP-TFI	0.00	
				06/04/2012	VIS	F					
				06/11/2012	VIS	P		06/12/2012	PMP-SEJ	4.00	
				06/12/2012	M21	4 PPM					06/12/2012
3997	PUMP	0.00	PUMP 22P85 12' W OF TK80								
				06/18/2012	M21	106700 PPM	PMP-SEAL	06/18/2012	PMP-WSE	13500.00	
				06/18/2012	M21	13500 PPM		06/19/2012	PMP-WSE	17000.00	
				06/19/2012	M21	17000 PPM		06/27/2012	PMP-WSE	0.00	
				06/27/2012	VIS	F		07/02/2012	PMP-SEJ	0.00	
				07/02/2012	VIS	P					
				07/02/2012	M21	42 PPM					07/02/2012
4052	VALVE/ ORBIT	6.00	S SIDE TK82 TOP BLK								
				06/14/2012	M21	11800 PPM	VLV-PKG	06/15/2012	VLV-TP	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	97 PPM					06/15/2012
4061	VALVE/ ORBIT	6.00	S SIDE TK83 TOP BLK								
				04/18/2012	M21	19700 PPM	VLV-PKG	04/18/2012	VLV-CL	30800.00	
				04/18/2012	M21	30800 PPM		04/19/2012	VLV-TP	20.00	
				04/19/2012	M21	20 PPM					04/19/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
4061	VALVE/ ORBIT	6.00	S SIDE TK83 TOP BLK								
				05/16/2012	VIS	F	VLV-PKG	05/16/2012	VLV-CL	15400.00	
				05/16/2012	M21	15400 PPM					
				05/16/2012	M21	18700 PPM		05/17/2012	VLV-TP	6.00	
				05/17/2012	M21	6 PPM					
				05/17/2012	VIS	P					05/17/2012
4233	VALVE/ BALL	0.50	TK 82 S SIDE OVHD BV @SG								
				06/18/2012	M21	18700 PPM	VLV-PKG	06/19/2012	VLV-TP	17.00	
				06/19/2012	M21	17 PPM					06/19/2012
4402	PUMP	0.00	RK 3 WEST ISLAND 99P33								
				05/16/2012	M21	15400 PPM	PMP-SCR	05/17/2012	PMP-TFI	490.00	
				05/17/2012	M21	490 PPM					05/17/2012

Process Unit 02 Summary

	Component Count	Leak Count
Total in Group	13	14
Total Valves	10	11
Total Pumps	3	3
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 04

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
32455	VALVE/ NEEDLE	0.50	4V40 S EL 6' BTM NV								
				06/07/2012	M21	861 PPM	VLV-GAUGE	06/07/2012	ATTB	711.00	
				06/07/2012	M21	711 PPM		06/07/2012	VLV-TCON	12.00	
				06/07/2012	M21	12 PPM					06/07/2012

Process Unit 04 Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	1	1
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 05

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
1-00839	VALVE	3.00	W OF 5H1 CRDE HTRFUEL DEBUT OH CNTRL LP 5FV220								
				06/05/2012	M21	48800 PPM	VLV-PKG	06/06/2012	VLV-TP	800.00	
				06/06/2012	M21	800 PPM		06/06/2012	VLV-INJ	4.00	
				06/06/2012	M21	4 PPM					06/06/2012
1-00848	VALVE	3.00	W OF 5H1 CRDE HTR DEBUT OH MANIF N OF 5P1 PMPS								
				06/05/2012	M21	12800 PPM	VLV-PKG	06/05/2012	ATTB	9027.00	
				06/05/2012	M21	9027 PPM					06/05/2012
29469	VALVE/ CTRL	4.00	W OF 5H1 CRDE HTR FUEL GAS CNTRL LP 5PC0581								
				06/05/2012	M21	11500 PPM	VLV-PKG	06/15/2012	VLV-TP	50.00	
				06/15/2012	M21	50 PPM					06/15/2012
29747	VALVE	1.50	SE CNTRL ROOM 5V5 DEBUT RBLR TOP E END SG TOP INLET								
				06/08/2012	M21	72400 PPM	VLV-PKG	06/19/2012	VLV-TP	8.00	
				06/19/2012	M21	8 PPM					06/19/2012

Process Unit 05 Summary

	Component Count	Leak Count
Total in Group	4	4
Total Valves	4	4
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 07

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2-01144	PUMP	0.00	7P28 UNDER 7V58 SOUTH SIDE	04/04/2012	VIS	F		04/04/2012	PMP-WSE	0.00	
				04/05/2012	VIS	P					
				04/12/2012	VIS	P					
				04/12/2012	M21	0 PPM					04/12/2012
2-01149	PUMP/ CENTRIF	0.00	7P11 RECONTACTING PUMP-07-07								
				04/04/2012	VIS	F	PMP-SEAL	04/04/2012	PMP-WSE	10000.00	
				04/05/2012	M21	10000 PPM		04/05/2012	PMP-STM	0.00	
				04/10/2012	VIS	P		04/10/2012	PMP-SEJ	113.00	
				04/10/2012	M21	113 PPM					04/10/2012
2-01149	PUMP/ CENTRIF	0.00	7P11 RECONTACTING PUMP-07-07	*** Placed on Delay for Turnaround on 05/02/2012 Removed From Turnaround List on 05/22/2012							
				04/18/2012	VIS	F	PMP-SEAL	04/18/2012	PMP-WSE	0.00	
				05/02/2012	VIS	P					
				05/10/2012	VIS	P					
				05/15/2012	VIS	P		05/22/2012	PMP-SEJ	0.00	
				05/22/2012	VIS	P					
				05/22/2012	M21	3.77 PPM					
				05/24/2012	VIS	P					
				05/29/2012	VIS	P					
				06/05/2012	VIS	P					
				06/12/2012	VIS	P					
				06/19/2012	VIS	P					
				06/20/2012	M21	4.72 PPM					
				06/27/2012	VIS	P					

Process Unit : 07

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				07/02/2012	VIS	P					
				07/10/2012	VIS	P					
20194	PUMP	0.00	7P115 N OF 7T31								
				06/19/2012	VIS	F	PMP-SCR	06/19/2012	PMP-URM	6.33	
				06/20/2012	M21	6.33 PPM		06/20/2012	PMP-WSE	0.00	
				06/20/2012	VIS	P					
				06/27/2012	VIS	P					06/27/2012

Process Unit 07 Summary

	Component Count	Leak Count
Total in Group	3	4
Total Valves	0	0
Total Pumps	3	4
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 08

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
08777	RELIEF/ PR-CVS	1.50	L1/7 WEST OF FINFANS ON FLARE DECK RECYCLE DISC 2. 08PSV6810	*** Placed on Delay for Turnaround on 02/29/2012							
				02/16/2012	M21	1637 PPM	REL-SEAT	02/16/2012	VLV-NM	1465.00	
				02/16/2012	M21	1465 PPM					
				04/18/2012	M21	8836 PPM		04/18/2012	REL-WS EAL	7889.00	
				04/18/2012	M21	7889 PPM					
				05/03/2012	M21	18.09 PPM		06/22/2012	REL-WS EAL	10300.00	
				06/29/2012	M21	10300 PPM					
10032	VALVE/ GATE	0.75	CHARGE DRUM 8V1 TOP LEVEL CNTRL LOOP 108A								
				05/03/2012	M21	35000 PPM	VLV-BON	05/04/2012	VLV-TBO N	143.00	
				05/04/2012	M21	143 PPM					05/04/2012
10316	VALVE/ CTRL	4.00	@ FUEL GAS LINE NE OF 8V17 @ CNTRL VALVE # 08PC1794								
				05/03/2012	M21	55000 PPM	VLV-PKG	05/03/2012	VLV-CL	58900.00	
				05/03/2012	M21	58900 PPM		05/04/2012	VLV-TP	17.00	
				05/04/2012	M21	17 PPM					05/04/2012
10358	VALVE/ NEEDLE	0.25	8' EAST OF 8V17 @ SAMPLE STATION								
				05/03/2012	M21	19700 PPM	VLV-PKG	05/03/2012	VLV-CL	20200.00	
				05/03/2012	M21	20200 PPM		05/04/2012	VLV-TP	2.00	
				05/04/2012	M21	2 PPM					05/04/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 08

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed

Process Unit 08 Summary

	Component Count	Leak Count
Total in Group	4	4
Total Valves	3	3
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	1	1
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
09C1	COMPRESSOR/ CENTRIFUGE	0.00	9C1 ALKY COMPRESSOR	*** Placed on Delay for Turnaround on 11/23/2009							
				11/12/2009	M21	11300 PPM	COM-CSEAL	11/17/2009	CMP-WO	15000.00	
				11/17/2009	M21	15000 PPM					
				12/29/2009	M21	4964 PPM					
				01/14/2010	M21	11245 PPM		01/14/2010	VLV-SEJ	9911.00	
				01/14/2010	M21	9911 PPM					
				02/03/2010	M21	10253 PPM		02/03/2010	VLV-SEJ	9856.00	
				02/03/2010	M21	9856 PPM					
				03/23/2010	M21	1563 PPM					
				04/30/2010	M21	155 PPM					
				05/23/2010	M21	331 PPM		06/30/2010	CMP-WO	1601.00	
				06/30/2010	M21	1601 PPM					
				07/15/2010	M21	178 PPM					
				08/24/2010	M21	53.8 PPM					
				09/29/2010	M21	164 PPM					
				10/06/2010	M21	208 PPM		11/30/2010	CMP-WO	2313.00	
				11/30/2010	M21	2313 PPM					
				11/30/2010	M21	3411 PPM		01/14/2011	CMP-WO	2404.00	
				01/14/2011	M21	2404 PPM					
				01/14/2011	M21	29.88 PPM					
				02/17/2011	M21	140 PPM					
				04/26/2011	M21	20.18 PPM					
				05/04/2011	M21	1748 PPM					
				06/20/2011	M21	1291 PPM					
				07/11/2011	M21	70.24 PPM		08/17/2011	CMP-WO	100000.00	
				08/17/2011	M21	100000 PPM					

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				08/17/2011	M21	102000 PPM		09/29/2011	CMP-WO	75000.00	
				09/29/2011	M21	75000 PPM					
				09/29/2011	M21	198700 PPM		10/10/2011	CMP-WO	79400.00	
				10/10/2011	M21	79400 PPM					
				10/10/2011	M21	133200 PPM		11/30/2011	CMP-WO	110400.00	
				11/30/2011	M21	110400 PPM					
				11/30/2011	M21	124500 PPM		12/15/2011	CMP-WO	144900.00	
				12/15/2011	M21	144900 PPM					
				12/15/2011	M21	18800 PPM		01/03/2012	CMP-WO	17900.00	
				01/03/2012	M21	17900 PPM					
				01/03/2012	M21	207500 PPM					
				02/14/2012	M21	959 PPM		03/21/2012	COM-STEAM	231600.00	
				03/21/2012	M21	231600 PPM					
				03/21/2012	M21	14700 PPM		04/04/2012	CMP-WO	73100.00	
				04/04/2012	M21	73100 PPM					
				04/04/2012	M21	84800 PPM					
				05/22/2012	M21	17500 PPM					
				06/22/2012	M21	2118 PPM					
14392	PUMP	0.00	6/0 9P1B	04/03/2012	VIS	F	PMP-SEAL	04/03/2012	PMP-WSE	36200.00	

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				05/24/2012	VIS	P					05/24/2012
2-01941	PUMP	0.75	9P33 OFF OF 9V16								
				06/22/2012	M21	34700 PPM	PMP-SEAL	06/22/2012	PMP-WSE	4460.00	
				06/22/2012	M21	4460 PPM					06/22/2012
2-01947	VALVE	0.75	PLTFRM ABOVE 9V16 @ S SIDE OF 9V2 1/5								
				04/03/2012	M21	10200 PPM	VLV-SCR	04/04/2012	VLV-TFITT	3.00	
				04/04/2012	M21	3 PPM					04/04/2012
20225	PUMP	0.00	6/0 9P6								
				05/22/2012	VIS	F	PMP-TUB	05/22/2012	PMP-WSE	26100.00	
				05/22/2012	M21	26100 PPM					
				05/22/2012	M21	17300 PPM		05/23/2012	PMP-WSE	4500.00	
				05/23/2012	M21	4500 PPM					
				05/24/2012	VIS	P					
				05/29/2012	VIS	P					
				05/31/2012	M21	5 PPM		05/31/2012	PMP-SEJ		05/31/2012
21151	VALVE/ GATE	0.75	G/10 CNTLP 10FT N OF 9E35								
				04/05/2012	M21	28100 PPM	VLV-TUB	04/05/2012	VLV-CL	10400.00	
				04/05/2012	M21	10400 PPM		04/09/2012	VLV-TCON	45.00	
				04/09/2012	M21	45 PPM					04/09/2012
24110	VALVE/ BALL	0.00	SMPLSTAT 5FT N OF 9E35 REPLACEMENT IN KIND WITH TAG 33460 *** Placed on Delay for Turnaround on 01/23/2009 Removed From Turnaround List on 11/29/2010								
				04/22/2009	M21	35600 PPM	VLV-BON	04/22/2009	VLV-TBON	31100.00	
				04/22/2009	M21	31100 PPM		05/28/2009	VLV-TBON	1260.00	

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				05/28/2009	M21	1260 PPM					
				06/29/2009	M21	623 PPM		06/29/2009	VLV-TBO N	610.00	
				06/29/2009	M21	610 PPM					
				07/16/2009	M21	3616 PPM		07/16/2009	VLV-TBO N	1267.00	
				07/16/2009	M21	1267 PPM					
				08/17/2009	M21	2294 PPM		08/17/2009	VLV-TBO N	2065.00	
				08/17/2009	M21	2065 PPM					
				09/14/2009	M21	5222 PPM		09/14/2009	VLV-TBO N	4830.00	
				09/14/2009	M21	4830 PPM					
				10/14/2009	M21	4 PPM					
				11/20/2009	M21	46 PPM					
				12/10/2009	M21	46 PPM					
				01/12/2010	M21	189 PPM					
				02/02/2010	M21	3 PPM		03/23/2010	VLV-TBO N	774.00	
				03/23/2010	M21	774 PPM					
				03/23/2010	M21	931 PPM					
				04/18/2010	M21	17.41 PPM					
				05/23/2010	M21	1531 PPM		06/30/2010	VLV-TBO N	2264.00	
				06/30/2010	M21	2264 PPM					
				06/30/2010	M21	1955 PPM		07/07/2010	VLV-TBO N	2815.00	
				07/07/2010	M21	2815 PPM		07/07/2010	VLV-TBO N	2730.00	
				07/07/2010	M21	2730 PPM					

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				08/24/2010	M21	144 PPM		09/21/2010	VLV-CL	460.00	
				09/21/2010	M21	460 PPM					
				09/21/2010	M21	156 PPM					
				10/03/2010	M21	74.22 PPM		11/29/2010	VLV-RV	2.00	
				11/29/2010	M21	2 PPM					
27200	VALVE/ BALL	0.25	SMPLSTAT 5FT N OF 9E35 REPLACEMENT IN KIND WITH TAG 33459 *** Placed on Delay for Turnaround on 01/23/2009 Removed From Turnaround List on 11/29/2010								
				04/22/2009	M21	12500 PPM	VLV-BON	04/22/2009	VLV-TBON	954.00	
				05/28/2009	M21	954 PPM		05/28/2009	VLV-TBON	986.00	
				06/29/2009	M21	986 PPM		06/29/2009	VLV-TBON	900.00	
				06/29/2009	M21	900 PPM					
				07/20/2009	M21	16 PPM					
				08/17/2009	M21	36 PPM					
				09/14/2009	M21	37 PPM					
				10/14/2009	M21	42 PPM					
				11/20/2009	M21	43 PPM					
				12/10/2009	M21	41 PPM					
				01/12/2010	M21	21 PPM					
				02/02/2010	M21	3 PPM					
				03/23/2010	M21	46.49 PPM					
				04/18/2010	M21	52.12 PPM					
				05/23/2010	M21	26.37 PPM					
				06/30/2010	M21	37.23 PPM		07/07/2010	VLV-TBON	434.00	
				07/07/2010	M21	434 PPM					
				07/07/2010	M21	64.78 PPM					

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				08/24/2010	M21	47.85 PPM					
				09/21/2010	M21	181 PPM					
				10/03/2010	M21	19.44 PPM		11/29/2010	VLV-RV	4.00	
				11/29/2010	M21	4 PPM					
30443	VALVE/ CTRL	1.00	TOP 9V18 NSDE 09PC0953								
				04/04/2012	M21	61300 PPM	VLV-PLG	04/04/2012	VLV-CL	48300.00	
				04/04/2012	M21	48300 PPM		04/05/2012	VLV-TP	3000.00	
				04/05/2012	M21	3000 PPM					04/05/2012
30985	VALVE/ CTRL	3.00	CENTRAL LOOP W OF 9V16								
				04/03/2012	M21	36200 PPM	VLV-PKG	04/03/2012	VLV-CL	30000.00	
				04/03/2012	M21	30000 PPM		04/11/2012	VLV-TP	88.00	
				04/11/2012	M21	88 PPM					04/11/2012
40027	PUMP	0.00	Btm. of 9v50 9P75								
				06/19/2012	VIS	F	PMP-CSEAL	06/19/2012	PMP-URM	4.00	
				06/20/2012	M21	4 PPM		06/20/2012	PMP-WSE	13.03	
				06/22/2012	M21	13.03 PPM					
				06/27/2012	VIS	P					06/27/2012
40167	VALVE/ ORIFIC	0.75	OVHD E OF 9V5								
				04/05/2012	M21	10000 PPM	VLV-PKG	04/05/2012	VLV-CP	3.00	
				04/16/2012	M21	3 PPM		04/16/2012	VLV-TP		04/16/2012
40567	VALVE/ GATE	0.75	NWSDE 9V40 level 1 ovhd								
				04/05/2012	M21	40000 PPM	VLV-BON	04/05/2012	VLV-CL	44200.00	
				04/05/2012	M21	44200 PPM		04/09/2012	VLV-CL	77.00	
				04/09/2012	M21	77 PPM					04/09/2012
41470	VALVE	3.00	CNTLP 10FT S 9V8								
				04/02/2012	M21	11000 PPM	VLV-PKG	04/02/2012	ATTB	16300.00	
				04/02/2012	M21	16300 PPM		04/03/2012	VLV-TP	150.00	

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/03/2012	M21	150 PPM					04/03/2012
41545	VALVE	0.75	L2/0 TOP OF 9V1A								
				04/03/2012	M21	28800 PPM	VLV-PLUG	04/03/2012	VLV-CL	10800.00	
				04/03/2012	M21	10800 PPM		04/04/2012	VLV-TPL G	246.00	
				04/04/2012	M21	246 PPM					04/04/2012

Process Unit 09 Summary

	Component Count	Leak Count
Total in Group	17	18
Total Valves	12	12
Total Pumps	4	5
Total Compressors	1	1
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
24342	VALVE/ GATE	0.50	EL 7 FT 1 FT E OF 12P137 - N PRESS TAP REPLACEMENT IN KIND WITH TAG 33421	*** Placed on Delay for Turnaround on 08/31/2007 Removed From Turnaround List on 11/23/2010							
				08/18/2007	M21	26200 PPM	VLV-SCR	08/18/2007	VLV-WOW	26200.00	
				08/18/2007	M21	26200 PPM					
				08/18/2007	M21	26200 PPM					
				09/27/2007	M21	14900 PPM					
				10/31/2007	M21	801 PPM					
				11/05/2007	M21	88000 PPM		11/05/2007	VLV-TPLG	60000.00	
				11/05/2007	M21	60000 PPM					
				11/29/2007	M21	60000 PPM					
				12/28/2007	M21	91 PPM		01/31/2008	VLV-TFITT	4850.00	
				01/31/2008	M21	4850 PPM					
				02/07/2008	M21	1521 PPM		02/07/2008	VLV-TFITT	2269.00	
				02/07/2008	M21	2269 PPM					
				05/29/2008	M21	35 PPM					
				08/13/2008	M21	23 PPM					
				09/11/2008	M21	7 PPM					
				10/21/2008	M21	3642 PPM		10/21/2008	VLV-TPLG	584.00	
				10/21/2008	M21	584 PPM					
				11/24/2008	M21	128400 PPM		11/24/2008	VLV-TPLG	218400.00	
				11/24/2008	M21	218400 PPM					
				12/17/2008	M21	8 PPM					
				01/27/2009	M21	106 PPM					
				02/05/2009	M21	991559		02/05/2009	VLV-TPL	990016.00	

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
						PPM			G		
				02/05/2009	M21	990016 PPM					
				03/02/2009	M21	3552 PPM		03/02/2009	VLV-TFIT	3421.00	
									T		
				03/02/2009	M21	3421 PPM					
				04/30/2009	M21	12 PPM					
				05/04/2009	M21	126200 PPM		05/04/2009	VLV-TPL G	124000.00	
				05/04/2009	M21	124000 PPM					
				06/22/2009	M21	17 PPM					
				07/31/2009	M21	13 PPM					
				08/05/2009	M21	28 PPM					
				09/23/2009	M21	78400 PPM		09/23/2009	VLV-TPL G	22300.00	
				09/23/2009	M21	22300 PPM					
				10/28/2009	M21	2017 PPM		10/28/2009	VLV-TPL G	4520.00	
				10/28/2009	M21	4520 PPM					
				11/17/2009	M21	21333 PPM		11/17/2009	VLV-TPL G	19884.00	
				11/17/2009	M21	19884 PPM					
				12/30/2009	M21	14230 PPM		12/30/2009	VLV-TPL	18962.00	
				12/30/2009	M21	18962 PPM					
				01/26/2010	M21	11520 PPM		01/26/2010	VLV-TIG	8963.00	
				01/26/2010	M21	8963 PPM					
				02/02/2010	M21	51 PPM					
				03/10/2010	M21	19.46 PPM		04/14/2010	VLV-TPL G	4360.00	

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/14/2010	M21	4360 PPM					
				05/12/2010	M21	8505 PPM					
				06/29/2010	M21	1.75 PPM		07/30/2010	VLV-TPL G	3443.00	
				07/30/2010	M21	3443 PPM		07/30/2010	VLV-TPL G	2148.00	
				07/30/2010	M21	2148 PPM		08/17/2010	VLV-TPL G	27300.00	
				08/17/2010	M21	27300 PPM		08/17/2010	VLV-TPL G	15800.00	
				08/17/2010	M21	15800 PPM		09/24/2010	VLV-TP	897.00	
				09/24/2010	M21	897 PPM					
				09/24/2010	M21	187 PPM					
				10/09/2010	M21	58.74 PPM		11/23/2010	VLV-TP	2.00	
				11/23/2010	M21	2 PPM					
24343	VALVE/ GATE	0.50	EL 7 FT 1 FT E OF 12P137 - S PRESS TAP REPLACEMENT IN KIND WITH TAG 33422	*** Placed on Delay for Turnaround on 08/31/2007 Removed From Turnaround List on 11/23/2010							
				08/18/2007	M21	36300 PPM	VLV-PLUG				
				08/18/2007	M21	36300 PPM		08/18/2007	VLV-TPL G	36300.00	
				08/18/2007	M21	36300 PPM					
				09/27/2007	M21	156200 PPM					
				10/31/2007	M21	42000 PPM					
				11/05/2007	M21	89300 PPM		11/05/2007	VLV-TPL G	357400.00	
				11/05/2007	M21	357400 PPM					
				12/28/2007	M21	33900 PPM		12/28/2007	VLV-TPL G	13900.00	

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				12/28/2007	M21	13900 PPM		01/31/2008	VLV-TFIT T	24000.00	
				01/31/2008	M21	24000 PPM					
				02/07/2008	M21	30500 PPM		02/07/2008	VLV-TFIT T	58600.00	
				02/07/2008	M21	58600 PPM		03/31/2008	VLV-WO W	588600.00	
				03/31/2008	M21	588600 PPM					
				04/28/2008	M21	20500 PPM		04/28/2008	VLV-TPL G	14800.00	
				04/28/2008	M21	14800 PPM					
				05/29/2008	M21	133 PPM					
				06/26/2008	M21	12600 PPM		06/26/2008	VLV-TPL G	22000.00	
				06/26/2008	M21	22000 PPM					
				07/10/2008	M21	3 PPM					
				08/13/2008	M21	115 PPM					
				09/11/2008	M21	7 PPM					
				10/21/2008	M21	59500 PPM		10/21/2008	VLV-TPL G	84800.00	
				10/21/2008	M21	84800 PPM					
				11/24/2008	M21	149200 PPM		11/24/2008	VLV-TPL G	147000.00	
				11/24/2008	M21	147000 PPM					
				12/17/2008	M21	10 PPM					
				01/27/2009	M21	35 PPM					
				02/05/2009	M21	855000 PPM		02/05/2009	VLV-TPL G	851999.00	

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				02/05/2009	M21	851999 PPM					
				03/20/2009	M21	544 PPM		03/20/2009	VLV-TGA UGE	753600.00	
				03/20/2009	M21	753600 PPM					
				04/30/2009	M21	24 PPM					
				05/04/2009	M21	302186 PPM		05/04/2009	VLV-TPL G	168236.00	
				05/04/2009	M21	168236 PPM					
				06/22/2009	M21	15 PPM					
				07/31/2009	M21	15 PPM					
				08/05/2009	M21	26300 PPM		08/05/2009	VLV-TPL G	8848.00	
				08/05/2009	M21	8848 PPM					
				09/23/2009	M21	33900 PPM		09/23/2009	VLV-TPL G	2363.00	
				09/23/2009	M21	2363 PPM					
				10/28/2009	M21	948 PPM		10/28/2009	VLV-TPL G	1647.00	
				10/28/2009	M21	1647 PPM					
				11/17/2009	M21	66000 PPM		11/17/2009	VLV-TGA UGE	44569.00	
				11/17/2009	M21	44569 PPM					
				12/30/2009	M21	8200 PPM		12/30/2009	VLV-TPL	6415.00	
				12/30/2009	M21	6415 PPM					
				01/26/2010	M21	7233 PPM		01/26/2010	VLV-TPL	5122.00	
				01/26/2010	M21	5122 PPM					
				02/02/2010	M21	17 PPM					

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				03/10/2010	M21	18.99 PPM		04/14/2010	VLV-TPLG	20000.00	
				04/14/2010	M21	20000 PPM					
				05/12/2010	M21	1317 PPM					
				06/29/2010	M21	185 PPM					
				07/28/2010	M21	73100 PPM		08/17/2010	VLV-TPLG	4321.00	
				08/17/2010	M21	4321 PPM		09/24/2010	VLV-TFITT	3601.00	
				09/24/2010	M21	3601 PPM					
				09/24/2010	M21	2843 PPM					
				10/09/2010	M21	51.32 PPM		11/23/2010	VLV-RV	2.00	
				11/23/2010	M21	2 PPM					
24903	VALVE	3.00	12V10 LVL 1 CTRL LOOP S OF HRAIL								
				05/23/2012	M21	15000 PPM	VLV-PKG	05/23/2012	VLV-TP	20000.00	
				05/23/2012	M21	20000 PPM		05/24/2012	VLV-TP	145.00	
				05/24/2012	M21	145 PPM					05/24/2012
24984	VALVE/ ORIFIC	0.50	ORFICE VLV 7FT N OF 12P165/166 8FT OVHD								
				05/22/2012	M21	92200 PPM	VLV-PKG	05/22/2012	VLV-CL	20700.00	
				05/22/2012	M21	20700 PPM		05/23/2012	VLV-TP	14.00	
				05/23/2012	M21	14 PPM					05/23/2012
26111	VALVE/ GATE	0.50	@ CNTRL LOOP N OF 12V5								
				05/24/2012	M21	76100 PPM	VLV-SCR	05/24/2012	VLV-CL	5271.00	
				05/24/2012	M21	5271 PPM					05/24/2012
27650	PUMP	0.75	PUMP 12P145A								
				05/29/2012	VIS	F	PMP-SCR	05/29/2012	PMP-TFI	4.00	
				06/04/2012	M21	4 PPM		06/04/2012	PMP_RFIT		06/04/2012

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
3-00831	VALVE/ GATE	0.75	12P143B SUCT - BLDR								
				05/23/2012	M21	16900 PPM	VLV-PLUG	05/24/2012	VLV-TP	16.00	
				05/24/2012	M21	16 PPM					05/24/2012
3-01595	VALVE/ GATE	2.00	LVL 2 OF STRUCTURE @ 12E10 ON W SIDE OF CONT LOOP								
				05/23/2012	M21	18100 PPM	VLV-PKG	05/23/2012	ATTB	52700.00	
				05/23/2012	M21	52700 PPM		05/24/2012	VLV-TP	165.00	
				05/24/2012	M21	165 PPM					05/24/2012
3-01822	VALVE/ GATE	3.00	1/1 21V3 REPLACEMENT IN KIND WITH TAG 33424 *** Placed on Delay for Turnaround on 09/05/2007 Removed From Turnaround List on 11/23/2010								
				08/21/2007	M21	184900 PPM	VLV-PKG	08/21/2007	VLV-TP	184900.00	
				08/21/2007	M21	184900 PPM					
				08/21/2007	M21	38000 PPM		08/28/2007	VLV-INJ	39000.00	
				08/28/2007	M21	39000 PPM		08/28/2007	VLV-INJ	38000.00	
				08/28/2007	M21	38000 PPM					
				09/12/2007	M21	38000 PPM					
				10/31/2007	M21	1938 PPM					
				11/06/2007	M21	601 PPM		11/06/2007	VLV-TIG	1334.00	
				11/06/2007	M21	1334 PPM					
				11/29/2007	VIS	F					
				11/29/2007	M21	9520 PPM					
				12/07/2007	VIS	P					
				12/28/2007	M21	155 PPM					
				02/07/2008	M21	606 PPM		02/07/2008	VLV-TIG	789.00	
				02/07/2008	M21	789 PPM					
				05/23/2008	M21	898 PPM		05/23/2008	VLV-TGA UGE	1833.00	
				05/23/2008	M21	1833 PPM					

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				08/13/2008	M21	1435 PPM		08/13/2008	VLV-TGA UGE	404.00	
				08/13/2008	M21	404 PPM					
				09/11/2008	M21	30 PPM					
				10/21/2008	M21	1211 PPM		10/21/2008	VLV-TGA UGE	1072.00	
				10/21/2008	M21	1072 PPM					
				11/11/2008	M21	18 PPM					
				12/17/2008	M21	8 PPM					
				01/27/2009	M21	29 PPM					
				02/17/2009	M21	850 PPM		02/17/2009	VLV-TGA UGE	1110.00	
				02/17/2009	M21	1110 PPM					
				03/20/2009	M21	2019 PPM		03/20/2009	VLV-TGA UGE	1513.00	
				03/20/2009	M21	1513 PPM					
				04/30/2009	M21	23 PPM					
				05/06/2009	M21	2605 PPM		05/06/2009	VLV-TGA UGE	3027.00	
				05/06/2009	M21	3027 PPM					
				06/22/2009	M21	15 PPM					
				07/31/2009	M21	897 PPM		07/31/2009	VLV-TGA UGE	923.00	
				07/31/2009	M21	923 PPM					
				08/06/2009	M21	1438 PPM		08/06/2009	VLV-TGA UGE	2226.00	
				08/06/2009	M21	2226 PPM					
				09/23/2009	M21	1469 PPM		09/23/2009	VLV-TGA UGE	705.00	
				09/23/2009	M21	705 PPM					

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				10/28/2009	M21	6 PPM					
				11/17/2009	M21	657 PPM		11/17/2009	VLV-TGA UGE	772.00	
				11/17/2009	M21	772 PPM					
				12/30/2009	M21	909 PPM		12/30/2009	VLV-TIG	652.00	
				12/30/2009	M21	652 PPM					
				01/26/2010	M21	547 PPM		01/26/2010	VLV-TIG	544.00	
				01/26/2010	M21	544 PPM					
				02/10/2010	M21	128 PPM					
				03/10/2010	M21	27.39 PPM		04/14/2010	VLV-TP	2200.00	
				04/14/2010	M21	2200 PPM					
				05/10/2010	M21	653 PPM					
				06/29/2010	M21	187 PPM		07/30/2010	VLV-TP	571.00	
				07/30/2010	M21	571 PPM		07/30/2010	VLV-TP	625.00	
				07/30/2010	M21	625 PPM		08/17/2010	VLV-TP	518.00	
				08/17/2010	M21	518 PPM		08/17/2010	VLV-TP	450.00	
				08/17/2010	M21	450 PPM					
				09/24/2010	M21	1.8 PPM		10/07/2010	VLV-TP	591.00	
				10/07/2010	M21	591 PPM					
				10/07/2010	M21	543 PPM		11/23/2010	VLV-RV	2.00	
				11/23/2010	M21	2 PPM					
33537	VALVE/ CTRL	4.00	CTRL LP E OF 12C8 PLTFM 12UC0418	*** Placed on Delay for Turnaround on 11/22/2011							
				01/20/2012	M21	82400 PPM	VLV-PKG	01/20/2012	VLV-CP	50100.00	
				01/20/2012	M21	50100 PPM		02/03/2012	VLV-CL	13600.00	
				02/03/2012	M21	13600 PPM					
				02/03/2012	M21	10500 PPM					
				03/21/2012	M21	87.13 PPM		04/18/2012	VLV-CL	3949.00	
				04/18/2012	M21	3949 PPM					

Process Unit : 12-21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/18/2012	M21	653 PPM					
				05/22/2012	M21	214 PPM					
				06/25/2012	M21	121 PPM					
41243	VALVE	0.50	12V13 LVL1 LVL CLM TOP - HPV @SG								
				05/23/2012	M21	10200 PPM	VLV-SCR	05/23/2012	VLV-CL	10900.00	
				05/23/2012	M21	10900 PPM		05/24/2012	VLV-TFIT T	3500.00	
				05/24/2012	M21	3500 PPM					05/24/2012

Process Unit 12-21 Summary

	Component Count	Leak Count
Total in Group	11	11
Total Valves	10	10
Total Pumps	1	1
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 21

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
15421A	VALVE/ CHAIN	0.75	7' WESTSIDE OF 21V1 AT CONTROL LOOP 7FT OVHD								
				05/30/2012	M21	21000 PPM	VLV-PKG	05/30/2012	VLV-TP	17.16	
				05/30/2012	M21	17.16 PPM					05/30/2012
15623	VALVE/ BLEEDER	1.00	10FT SOUTH OF 21V3 14FT OVGD								
				05/30/2012	M21	47400 PPM	VLV-PKG	06/04/2012	VLV-TP	200.00	
				06/04/2012	M21	200 PPM					06/04/2012
15628	VALVE/ BLOCK	0.75	10FT SOUTH OF 21V3								
				04/18/2012	M21	14600 PPM	VLV-GAUGE	04/18/2012	VLV-CL	18900.00	
				04/18/2012	M21	18900 PPM		04/19/2012	VLV-TGAUGE	25.00	
				04/19/2012	M21	25 PPM					04/19/2012

Process Unit 21 Summary

	Component Count	Leak Count
Total in Group	3	3
Total Valves	3	3
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 13

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
19941	VALVE/ CTRL	1.00	CNTLP BTW @ 13P264 & 13P261	13FC405							
				06/25/2012	M21	26800 PPM	VLV-FLG	06/26/2012	VLV-TFLG	80.00	
				06/26/2012	M21	80 PPM					06/26/2012
24267	VALVE	0.75	13C29 VESSEL BLW WEST END								
				06/25/2012	M21	219800 PPM	VLV-PLUG	06/26/2012	VLV-TPLG	3.00	
				06/26/2012	M21	3 PPM					06/26/2012
24768	VALVE	0.75	CNTLP 4' E 13E3A @ ORIFACE								
				04/25/2012	M21	100000 PPM	VLV-PLUG	04/25/2012	VLV-TPLG	47.00	
				04/25/2012	M21	47 PPM					04/25/2012
24769	VALVE/ GATE	0.75	CNTLP 4' E 13E3A @ ORIFACE								
				04/18/2012	M21	16600 PPM	VLV-SCR	04/18/2012	VLV-CL	19700.00	
				04/18/2012	M21	19700 PPM		04/19/2012	VLV-STM	2200.00	
				04/19/2012	M21	2200 PPM					04/19/2012
3-00285	PUMP	0.00	5' E 13V14 @ 13P261								
				04/18/2012	M21	13000 PPM	PMP-TUB	04/18/2012	PMP-STM	8884.00	
				04/18/2012	M21	8884 PPM					04/18/2012
3-00285	PUMP	0.00	5' E 13V14 @ 13P261								
				05/01/2012	M21	15200 PPM	PMP-TUB	05/01/2012	PMP-SEJ	128.00	
				05/01/2012	M21	128 PPM		05/01/2012	PMP-SEJ		05/01/2012
3-00288	PUMP	0.00	13P295								
				04/23/2012	VIS	F	PMP-SCR	04/23/2012	PMP-TFI	0.00	
				04/23/2012	VIS	F		04/23/2012	PMP-TFI	0.00	
				04/30/2012	VIS	P		05/04/2012	PMP-TFI	6.00	
				05/04/2012	M21	6 PPM					05/04/2012
3-00290	PUMP	0.00	13P266								
				05/16/2012	VIS	F	PMP-SCR	05/16/2012	PMP-TFI	5800.00	

Process Unit : 13

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				05/17/2012	M21	5800 PPM		05/17/2012	PMP-TFI	6500.00	
				05/18/2012	M21	6500 PPM		05/18/2012	PMP-TFI	0.00	
				05/23/2012	VIS	P		05/29/2012	PMP-TFI	0.00	
				05/29/2012	VIS	F		05/30/2012	PMP-TFI	16.00	
				05/30/2012	M21	16 PPM					05/30/2012
3-01209	VALVE	0.75	13C29 WEST END								
				06/25/2012	M21	16400 PPM	VLV-SCR	06/25/2012	VLV-CL	1403.00	
				06/25/2012	M21	1403 PPM					06/25/2012
3-01475	VALVE	0.75	RECTIFIER/.DRAIN/FLOAT CHAMBER/1ST LVL 13V8 SG								
				06/25/2012	M21	41000 PPM	VLV-SCR	06/25/2012	VLV-CL	17300.00	
				06/25/2012	M21	17300 PPM		06/26/2012	VLV-TFIT	2000.00	
				06/26/2012	M21	2000 PPM					06/26/2012
40363	VALVE/ BALL	0.75	E SDE 13E3A TOP SG								
				04/18/2012	M21	21700 PPM	VLV-PKG	04/19/2012	VLV-TP	134.00	
				04/19/2012	M21	134 PPM					04/19/2012

Process Unit 13 Summary

	Component Count	Leak Count
Total in Group	10	11
Total Valves	7	7
Total Pumps	3	4
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 14

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
23507	PUMP	0.00	14P8B								
				06/14/2012	VIS	F		06/15/2012	PMP-WSE	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	49 PPM					
				06/20/2012	VIS	P					
				06/25/2012	VIS	P					
				06/25/2012	M21	6.51 PPM					
				07/05/2012	VIS	P					07/05/2012
4-00904	VALVE	0.50	1ST LEVEL PLAT ABOVE 14C1 COMP DECK								
				04/10/2012	M21	12600 PPM	VLV-SCR	04/11/2012	VLV-TFITT	6.00	
				04/11/2012	M21	6 PPM					04/11/2012

Process Unit 14 Summary

	Component Count	Leak Count
Total in Group	2	2
Total Valves	1	1
Total Pumps	1	1
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 16

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
6530	VALVE/ CTRL	4.00	CV 16FC0610 EAST OF 16H3								
				05/08/2012	M21	967 PPM	VLV-PKG	05/08/2012	VLV-CL	607.00	
				05/08/2012	M21	607 PPM		05/09/2012	VLV-CP	32.00	
				05/09/2012	M21	32 PPM					05/09/2012
6530	VALVE/ CTRL	4.00	CV 16FC0610 EAST OF 16H3								
				06/25/2012	M21	849 PPM	VLV-PKG	06/25/2012	VLV-CL	1302.00	
				06/25/2012	M21	1302 PPM		06/26/2012	VLV-CP	230.00	
				06/26/2012	M21	230 PPM					06/26/2012
6545	VALVE/ CTRL	4.00	CL 16FC0611 EAST OF 16H3								
				05/08/2012	M21	883 PPM	VLV-PKG	05/08/2012	VLV-CL	602.00	
				05/08/2012	M21	602 PPM		05/09/2012	VLV-CP	32.00	
				05/09/2012	M21	32 PPM					05/09/2012
6545	VALVE/ CTRL	4.00	CL 16FC0611 EAST OF 16H3								
				06/25/2012	M21	618 PPM	VLV-PKG	06/25/2012	VLV-CP	230.00	
				06/25/2012	M21	230 PPM					06/25/2012
6550	VALVE/ CTRL	4.00	CV 16FC0612 EAST OF 16H3								
				05/08/2012	M21	605 PPM	VLV-PKG	05/08/2012	VLV-CL	781.00	
				05/08/2012	M21	781 PPM		05/09/2012	VLV-CP	21.00	
				05/09/2012	M21	21 PPM					05/09/2012
6608	VALVE/ CTRL	4.00	CV 16FC0613 EAST OF 16H3								
				05/08/2012	M21	1320 PPM	VLV-PKG	05/08/2012	VLV-CL	1086.00	
				05/08/2012	M21	1086 PPM		05/09/2012	VLV-CP	91.00	
				05/09/2012	M21	91 PPM					05/09/2012
6925	VALVE/ BLEEDER	0.75	16V2 PROD SEP H2O BOOT SG BLDR								
				04/18/2012	M21	797 PPM	VLV-PKG	04/18/2012	VLV-CL	1073.00	
				04/18/2012	M21	1073 PPM		04/19/2012	VLV-CP	220.00	
				04/19/2012	M21	220 PPM					04/19/2012
6925	VALVE/ BLEEDER	0.75	16V2 PROD SEP H2O BOOT SG BLDR								

Process Unit : 16

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
6925	VALVE/ BLEEDER	0.75	16V2 PROD SEP H2O BOOT SG BLDR								
				05/09/2012	M21	622 PPM	VLV-PKG	05/09/2012	ATTB	1039.00	
				05/09/2012	M21	1039 PPM		05/10/2012	VLV-TP	23.00	
				05/10/2012	M21	23 PPM					05/10/2012
6926	VALVE/ GATE	0.75	WATER BOOT UNDER 16V2								
				05/09/2012	M21	1834 PPM		05/10/2012	VLV-TP	16.00	
				05/10/2012	M21	16 PPM					
				06/25/2012	M21	7.06 PPM					06/25/2012
6945	VALVE/ NEEDLE	0.25	10' SOUTH OF 16P86 DP CELL @ PILLAR								
				05/09/2012	M21	2224 PPM	VLV-PKG	05/09/2012	ATSC	1150.00	
				05/09/2012	M21	1150 PPM		05/10/2012	VLV-TP	102.00	
				05/10/2012	M21	102 PPM					05/10/2012
6945	VALVE/ NEEDLE	0.25	10' SOUTH OF 16P86 DP CELL @ PILLAR								
				06/25/2012	M21	6262 PPM	VLV-SCR	06/25/2012	VLV-CL	6164.00	
				06/25/2012	M21	6164 PPM		06/27/2012	VLV-TFIT T	180.00	
				06/27/2012	M21	180 PPM					06/27/2012
7014	VALVE/ CTRL	8.00	CONTROL LOOP 16FC0746 EAST SIDE OF 16E9								
				04/18/2012	M21	743 PPM	VLV-PKG	04/18/2012	VLV-CL	279.00	
				04/18/2012	M21	279 PPM					04/18/2012
7014	VALVE/ CTRL	8.00	CONTROL LOOP 16FC0746 EAST SIDE OF 16E9								
				05/10/2012	M21	942 PPM	VLV-PKG	05/10/2012	VLV-CL	786.00	
				05/10/2012	M21	786 PPM		05/11/2012	VLV-CP	22.00	
				05/11/2012	M21	22 PPM					05/11/2012
7014	VALVE/ CTRL	8.00	CONTROL LOOP 16FC0746 EAST SIDE OF 16E9								

Process Unit : 16

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
7014	VALVE/ CTRL	8.00	CONTROL LOOP 16FC0746 EAST SIDE OF 16E9								
				06/25/2012	M21	614 PPM	VLV-PKG	06/25/2012	VLV-CL	111.00	
				06/25/2012	M21	111 PPM					06/25/2012
7230	PUMP	0.00	PUMP 16P299A NHT REFLUX SE 16V4								
				04/18/2012	M21	2391 PPM	PMP-TUB	04/18/2012	PMP-STM	5983.00	
				04/18/2012	M21	5983 PPM		04/19/2012	PMP-TFI	600.00	
				04/19/2012	M21	600 PPM					04/19/2012
7230	PUMP	0.00	PUMP 16P299A NHT REFLUX SE 16V4								
				06/25/2012	VIS	F	PMP-TUB	06/25/2012	PMP-WSE	7016.00	
				06/25/2012	M21	7016 PPM					
				06/25/2012	M21	14700 PPM		06/26/2012	PMP-WSE	240.00	
				06/26/2012	M21	240 PPM					
				07/05/2012	VIS	P					07/05/2012
7255	VALVE/ CTRL	3.00	CONTROL VALVE 16FC0680 10' SOUTH OF 16V4								
				05/10/2012	M21	591 PPM	VLV-PKG	05/10/2012	VLV-CL	526.00	
				05/10/2012	M21	526 PPM		05/11/2012	VLV-CP	32.00	
				05/11/2012	M21	32 PPM					05/11/2012
7255	VALVE/ CTRL	3.00	CONTROL VALVE 16FC0680 10' SOUTH OF 16V4								
				06/25/2012	M21	629 PPM	VLV-PKG	06/25/2012	VLV-CL	627.00	
				06/25/2012	M21	627 PPM		06/26/2012	VLV-CP	232.00	
				06/26/2012	M21	232 PPM					06/26/2012
7291	VALVE/ CTRL	4.00	CONTROL LP 16FC0678 10' SOUTH OF 16V3								
				04/18/2012	M21	575 PPM	VLV-PKG	04/18/2012	VLV-CL	1893.00	
				04/18/2012	M21	1893 PPM		04/19/2012	VLV-CP	65.00	
				04/19/2012	M21	65 PPM					04/19/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 16

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
7291	VALVE/ CTRL	4.00	CONTROL LP 16FC0678 10' SOUTH OF 16V3								
				05/10/2012	M21	740 PPM	VLV-PKG	05/10/2012	VLV-CL	622.00	
				05/10/2012	M21	622 PPM		05/11/2012	VLV-CP	52.00	
				05/11/2012	M21	52 PPM					05/11/2012
7317	VALVE/ BALL CHECK	0.75	L1 16V3 UPPER BALL CHECK ON EAST SIGHT GLASS								
				05/10/2012	M21	7124 PPM	VLV-PKG	05/10/2012	VLV-CL	8525.00	
				05/10/2012	M21	8525 PPM		05/14/2012	VLV-TP	750.00	
				05/14/2012	M21	750 PPM		05/22/2012	VLV-RV	12.00	
				05/22/2012	M21	12 PPM					05/22/2012
7317	VALVE/ BALL CHECK	0.75	L1 16V3 UPPER BALL CHECK ON EAST SIGHT GLASS								
				06/25/2012	M21	642 PPM	VLV-PKG	06/25/2012	VLV-CL	628.00	
				06/25/2012	M21	628 PPM		06/26/2012	VLV-TP	17.00	
				06/26/2012	M21	17 PPM					06/26/2012
7460	PUMP/ CHEMICAL	0.00	16P97 SOUTH OF 16T1								
				04/18/2012	M21	19300 PPM	PMP-SCR	04/18/2012	PMP-STM	10700.00	
				04/18/2012	M21	10700 PPM		04/19/2012	PMP-TFI	620.00	
				04/19/2012	M21	620 PPM					04/19/2012
7580	VALVE/ CHAIN	6.00	50' SOUTH OF 11H1 3' TOP OF 27V21								
				05/15/2012	M21	5738 PPM	VLV-PKG	05/15/2012	VLV-TP	1684.00	
				05/15/2012	M21	1684 PPM		05/16/2012	VLV-TP	103.00	
				05/16/2012	M21	103 PPM					05/16/2012
7630	VALVE/ BLEEDER	0.75	@ CNTRL LOOP N OF 25V2 FLARE K.O. POT.								
				04/18/2012	M21	1311 PPM	VLV-PKG	04/18/2012	VLV-CP	920.00	
				04/18/2012	M21	920 PPM		04/19/2012	VLV-TP	52.00	
				04/19/2012	M21	52 PPM					04/19/2012

Process Unit : 16

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
7678	VALVE/ GATE	0.75	20FT N OF CP FLARE.								
				05/15/2012	M21	1358 PPM	VLV-PKG	05/15/2012	VLV-CL	544.00	
				05/15/2012	M21	544 PPM		05/16/2012	VLV-TP	27.00	
				05/16/2012	M21	27 PPM					05/16/2012
7682	VALVE/ BLEEDER	0.50	20FT NE OF CP FLARE.								
				04/18/2012	M21	560 PPM	VLV-PKG	04/18/2012	VLV-CL	599.00	
				04/18/2012	M21	599 PPM		04/19/2012	VLV-TP	95.00	
				04/19/2012	M21	95 PPM					04/19/2012
7889	VALVE/ NEEDLE	0.50	MSAT 16P302A HNS OH LQ PMP SEAL POT OVHD								
				05/11/2012	M21	30000 PPM	VLV-PKG	05/11/2012	VLV-CL	3657.00	
				05/11/2012	M21	3657 PPM		05/14/2012	VLV-TP	39.00	
				05/14/2012	M21	39 PPM					05/14/2012

Process Unit 16 Summary

	Component Count	Leak Count
Total in Group	18	28
Total Valves	16	25
Total Pumps	2	3
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

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Process Unit : 19

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
0192	VALVE/ NEEDLE	0.25	19V100 TOP platform DP cell								
				04/05/2012	M21	660 PPM	VLV-PKG	04/05/2012	VLV-CL	263.00	
				04/05/2012	M21	263 PPM		04/05/2012	VLV-CL		04/05/2012
0198H	VALVE/ CHECK	2.00	10 FEET S OF 19H2								
				04/09/2012	M21	847 PPM	VLV-PKG	04/09/2012	VLV-CL	1004.00	
				04/09/2012	M21	1004 PPM		04/11/2012	VLV-CP	2.00	
				04/11/2012	M21	2 PPM					04/11/2012
0198I	VALVE/ GATE	2.00	10 FEET S OF 19H2								
				04/09/2012	M21	505 PPM	VLV-PKG	04/09/2012	VLV-CL	952.00	
				04/09/2012	M21	952 PPM		04/11/2012	VLV-TP	109.00	
				04/11/2012	M21	109 PPM					04/11/2012
0354	VALVE/ BALL	0.75	19V5 LVL 1 at SG TOP								
				04/05/2012	M21	821 PPM	VLV-CONNEC	04/05/2012	VLV-CL	655.00	
				04/05/2012	M21	655 PPM		04/09/2012	VLV-CL	77.00	
				04/09/2012	M21	77 PPM					04/09/2012
0354	VALVE/ BALL	0.75	19V5 LVL 1 at SG TOP								
				05/15/2012	M21	668 PPM	VLV-PKG	05/15/2012	VLV-CL	878.00	
				05/15/2012	M21	878 PPM		05/16/2012	VLV-CP	127.00	
				05/16/2012	M21	127 PPM					05/16/2012
0632	VALVE/ BALL	0.75	19V7 KO DRUM SG TOP BV								
				04/09/2012	M21	1507 PPM	VLV-PKG	04/09/2012	VLV-CL	950.00	
				04/09/2012	M21	950 PPM		04/10/2012	VLV-CP	35.00	
				04/10/2012	M21	35 PPM					04/10/2012
0632	VALVE/ BALL	0.75	19V7 KO DRUM SG TOP BV								
				05/15/2012	M21	1706 PPM	VLV-UNION	05/15/2012	VLV-CL	723.00	
				05/15/2012	M21	723 PPM		05/16/2012	VLV-TP	128.00	
				05/16/2012	M21	128 PPM					05/16/2012

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 19

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
0674	VALVE/ GATE	2.00	19E6 CL sw of 19V7								
				04/09/2012	M21	519 PPM	VLV-PKG	04/09/2012	ATTB	551.00	
				04/09/2012	M21	551 PPM		04/10/2012	VLV-TP	17.00	
				04/10/2012	M21	17 PPM					04/10/2012
0703	VALVE/ GATE	1.50	S of 19V4								
				04/09/2012	M21	621 PPM	VLV-PKG	04/09/2012	VLV-CL	593.00	
				04/09/2012	M21	593 PPM		04/10/2012	VLV-TP	63.00	
				04/10/2012	M21	63 PPM					04/10/2012

Process Unit 19 Summary

	Component Count	Leak Count
Total in Group	7	9
Total Valves	7	9
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 29

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
11889	VALVE	0.00	20' EAST OF KVP BUILDING @ NORTH SIDE OF 4 BAY 6' WEST OF FENCE								
				05/16/2012	VIS	F	VLV-PKG	05/16/2012	VLV-CL	781.00	
				05/16/2012	M21	781 PPM					
				05/16/2012	M21	1127 PPM		05/18/2012	VLV-CP	45.00	
				05/18/2012	M21	45 PPM					
				05/18/2012	VIS	P					
				05/18/2012	M21	0 PPM					05/18/2012
11889	VALVE	0.00	20' EAST OF KVP BUILDING @ NORTH SIDE OF 4 BAY 6' WEST OF FENCE								
				06/22/2012	M21	661 PPM	VLV-PKG	06/22/2012	VLV-CL	1421.00	
				06/22/2012	M21	1421 PPM		07/03/2012	VLV-TP	0.00	
				07/03/2012	M21	0 PPM					07/03/2012
11979	VALVE/ GATE	0.50	40' NORTH WEST OF 29T40 ON SOUTH EAST SIDE OF SUMP								
				04/26/2012	M21	15100 PPM	VLV-PKG	04/26/2012	ATTB	15000.00	
				04/26/2012	M21	15000 PPM		04/27/2012	VLV-TP	36.00	
				04/27/2012	M21	36 PPM					04/27/2012

Process Unit 29 Summary

	Component Count	Leak Count
Total in Group	2	3
Total Valves	2	3
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

MARATHON - DETROIT
1300 SOUTH FORT STREET
DETROIT, MI 48217

07/12/2012

LEAKING EQUIPMENT LOG

Program: NSPS-GGGA

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 01

Compliance Group : 29

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2192	PUMP	0.00	W of carbon can station 11 in API	03/27/2012	M21	29100 PPM	PMP-SEAL	03/27/2012	PMP-WS E	10200.00	
				03/27/2012	M21	10200 PPM		03/27/2012	PMP-WS E	0.00	
				03/27/2012	VIS	F		03/28/2012	PMP-WS E	16.00	
				03/28/2012	M21	16 PPM					
				04/03/2012	VIS	P					04/03/2012
2192	PUMP	0.00	W of carbon can station 11 in API	06/22/2012	M21	9756 PPM	PMP-SEAL	06/22/2012	PMP-WS E	4952.00	
				06/22/2012	M21	4952 PPM		06/25/2012	PMP-WS E	100.00	
				06/25/2012	M21	100 PPM					06/25/2012

Process Unit 01 Summary

	Component Count	Leak Count
Total in Group	1	2
Total Valves	0	0
Total Pumps	1	2
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 34

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
5047	VALVE/ WTR DRW	6.00	EAST OF SIDE TK103								
				04/13/2012	M21	13700 PPM	WTR DRW CA	04/16/2012	VLV-CL	26.00	
				04/16/2012	M21	26 PPM					04/16/2012

Process Unit 34 Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	1	1
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 43

Compliance Group : SRU

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
33039	VALVE/ GATE	1.00	6' W OF 43H101								
				05/24/2012	M21	10000 PPM	VLV-CONNEC	05/24/2012	VLV-CL	15.00	
				05/24/2012	M21	15 PPM		05/24/2012	VLV-CL		05/24/2012

Process Unit 43 Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	1	1
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : TERM

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
30551	PUMP/ CENTRIF	0.00	PUMP AT AA-10 -2 TERM								
				03/27/2012	VIS	F	PMP-SEAL	03/27/2012	PMP-WS E	38200.00	
				03/27/2012	M21	38200 PPM					
				03/27/2012	M21	4216 PPM		03/28/2012	PMP-WS E	120.00	
				03/28/2012	M21	120 PPM					
				04/05/2012	VIS	P					04/05/2012
33637	VALVE/ QUICK	0.25	LOAD RACK 1 S END								
				06/13/2012	VIS	F	VLV-PLUG	06/13/2012	VLV-PLU	51.00	
				06/13/2012	M21	51 PPM					
				06/13/2012	VIS	P					06/13/2012
33651	VALVE/ QUICK	0.25	LOAD RACK 2 S END SAMPLE TAP								
				06/13/2012	VIS	F	VLV-CAP	06/13/2012	VLV-CL	0.00	
				06/13/2012	VIS	P					
				06/13/2012	M21	5 PPM					06/13/2012

Process Unit TERM Summary

	Component Count	Leak Count
Total in Group	3	3
Total Valves	2	2
Total Pumps	1	1
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Table 3
Regulatory Leakers Requiring Delay of Repair - Second Quarter 2012
Michigan Refining Division

Complex	Unit	VOC Tag I.D.	Comp type	Date leak first detected	Component Description	Reason for delay of repair	Date Placed on delay of repair	Date of Actual/Anticipated Repair
2	8	8777	PSV	2/16/2012	8PSV6810	Requires unit shutdown	2/22/2012	11/30/2012
2	9	9C1	Compressor	11/12/2009	09C1 Seal leaking on East Side of housing	Requires unit shutdown	11/23/2009	10/31/2012
2	9	15601	Sightglass	12/15/2011	PLTFRM E 9V18	Requires unit shutdown	1/6/2012	10/31/2012
4	16	25599	Valve	11/20/2009	Bonnet of gate valve leaking control loop SE of 16V9	Isolated From VOC Service	12/18/2009	10/31/2012
3	12	33537	Valve	11/10/2011	Cntrl Loop East of 12C8 Platform 12UC0418	Requires unit shutdown	11/23/2011	11/30/2012
3	12	14512	Sightglass	2/2/2012	Sight Glass 3rd levl 12V41	Requires unit shutdown	2/16/2012	11/30/2012
5	2	2366	Valve	4/18/2012	15FT SW OF TK 98 @UG-5-009 BY DOT LINE	Requires unit shutdown	5/2/2012	11/30/2012

Table 4
Wastewater System Monitoring - Second Quarter 2012
Michigan Refining Division

Complex	Unit	Tag ID	Date	Service/Description	First Attempt	Recommended Fix	Final Repair	Final Repair Date
1	4	683	3/27/2012	Drain SE of 4V8	Install Plug	Install Plug	Plug Installed	4/3/2012
1	5	187	3/27/2012	Drain S Side of 5P61B	Add Water	Add Water	Water Added	4/3/2012
1	5	460	3/27/2012	Drain S Side of 5P60A	Add Water	Add Water	Water Added	4/3/2012
1	42	611	3/28/2012	Drain 5ft NW of 42V6	Add Water	Add Water	Water Added	4/4/2012
1	29	430	3/29/2012	Drain SW of 29T42	Add Water	Add Water	Water Added	4/3/2012
4	16	420	4/2/2012	Manhole E Edge of Unit 16 Near 16T1	Secure Lid	Secure Lid	Lid Secured	4/3/2012
4	14	646	4/2/2012	Manhole 20ft W of 11V43	Secure Lid	Secure Lid	Lid Secured	4/3/2012
3	11	580	4/2/2012	Manhole SW of Cooling Tower C in Roadway	Secure Lid	Secure Lid	Lid Secured	4/3/2012
1	29	729	4/3/2012	12ft NW of API garage	Secure Lid	Secure Lid	Lid Secured	4/4/2012
2	7	883	4/4/2012	Manhole in Roadway by Sulfur Loading	Secure Lid	Secure Lid	Lid Secured	4/5/2012
4	14	195	4/9/2012	Drain 20ft. E of 14-H-3 by Post	Add Water	Add Water	Water Added	4/16/2012
4	19	261	4/9/2012	Drain at KHT Reflux Pump (19P3A)	Add Water	Add Water	Water Added	4/16/2012
2	7	750	4/11/2012	Funnel Drain by 7P37	Install Plug	Install Plug	Plug Installed	5/15/2012
1	4	7	4/11/2012	Drain 2ft. E of 4E3C	Add Water	Add Water	Water Added	4/17/2012
1	5	80	4/11/2012	Drain W of 5P59A	Add Water	Add Water	Water Added	4/17/2012
1	5	82	4/11/2012	Drain W of 5P59A	Add Water	Add Water	Water Added	4/17/2012
1	5	184	4/11/2012	Drain E side of 5V48	Add Water	Add Water	Water Added	4/17/2012
2	7	311	4/11/2012	Catch Basin in Roadway N of 7P105A	Add Water	Add Water	Water Added	4/18/2012
4	19	261	4/23/2012	Drain at KHT Reflux Pump (19P3A)	Add Water	Add Water	Water Added	5/8/2012
1	5	82	4/24/2012	Drain W of 5P59A	Add Water	Add Water	Water Added	5/11/2012
1	5	180	4/24/2012	Drain at the Corner of Waring & N Hampton	Add Water	Add Water	Water Added	5/11/2012
1	5	1061	4/24/2012	Drain 6ft S 29T12	Add Water	Add Water	Water Added	5/11/2012
1	29	N/A	4/30/2012	Interceptor Sump Hatch	Latch Hatch	Latch Hatch	Hatch Latched	4/30/2012
1	4	N/A	4/30/2012	ESSCO Insert removed near 4E34A/B	Insert ESSCo	Insert ESSCO	ESSCO Inserted	5/14/2012
1	5	354	4/30/2012	N.W of 5E6H	Add Water	Add Water	Ongoing	Ongoing
4	14	193	4/30/2012	Catch Basin E of 14-H-4	Add Water	Add Water	Water Added	5/8/2012
4	14	195	4/30/2012	Drain E of SR HTR #1 (14H1)	Add Water	Add Water	Water Added	5/8/2012
4	16	495	4/30/2012	12ft S of 27V20	Install Plug	Install Plug	Plug Installed	5/8/2012
3	12-21	878	5/1/2012	Drain 3ft W of 12P144	Add Water	Add Water	Water Added	5/8/2012
3	12-21	871	5/1/2012	Drain 3ft W of 12P146B	Add Water	Add Water	Water Added	5/8/2012
1	4	696	5/2/2012	Drain S of 4P4A	Add Water	Add Water	Water Added	5/11/2012

Table 4
Wastewater System Monitoring - Second Quarter 2012
Michigan Refining Division

Complex	Unit	Tag ID	Date	Service/Description	First Attempt	Recommended Fix	Final Repair	Final Repair Date
1	4	696	5/14/2012	Drain S of 4P4A	Add Water	Add Water	Water Added	6/4/2012
1	5	82	5/14/2012	Drain W of 5P59A	Add Water	Add Water	Ongoing	Ongoing
1	5	180	5/14/2012	Drain at the Corner of Waring & N Hampton	Add Water	Add Water	Water Added	5/22/2012
1	5	460	5/14/2012	Drain S Side of 5P60A	Install Plug	Install Plug	Plug Installed	6/4/2012
1	29	431	5/14/2012	Drain at 29T50A-B	Add Water	Add Water	Water Added	5/22/2012
2	8	771	5/15/2012	Drain 2ft E of 8V12	Add Water	Add Water	Water Added	5/29/2012
2	77	1003	5/15/2012	Drain 10ft S of DHT Substation	Add Water	Add Water	Water Added	5/30/2012
1	1	621	5/16/2012	Drain 100ft NE of TK 50	Add Water	Add Water	Water Added	5/22/2012
4	14	192	5/16/2012	Catch Basin E of 14-H-8 ignition panel	Add Water	Add Water	Water Added	5/30/2012
4	14	195	5/16/2012	Drain E of SR HTR #1 (14H1)	Add Water	Add Water	Water Added	5/30/2012
4	14	408	5/16/2012	Drain at 14P18C	Add Water	Add Water	Water Added	5/30/2012
4	14	423	5/16/2012	Drain at Reboiler Flash Drum (14V12)	Add Water	Add Water	Water Added	5/30/2012
4	16	320	5/16/2012	Catch Basin N of 27V19 in Roadway	Add Water	Add Water	Water Added	5/30/2012
4	19	261	5/16/2012	Drain at KHT Reflux Pump (19P3A)	Add Water	Add Water	Water Added	5/30/2012
1	4	12	5/22/2012	Drain 1ft E of 4P63B	Add Water	Add Water	Water Added	5/30/2012
1	4	683	5/22/2012	Drain SE 4V8	Install Plug	Install Plug	Plug Installed	5/30/2012
1	4	816	5/22/2012	Drybox 10ft SW of 4H2	Add Water	Add Water	Water Added	5/30/2012
1	5	184	5/22/2012	Drain E side of 5V48	Add Water	Add Water	Water Added	5/30/2012
1	5	354	5/22/2012	Drain NW of 5E6H	Add Water	Add Water	Water Added	6/11/2012
2	9	1005	5/29/2012	Drain 20ft S of Sulfur Loading Rack	Add Water	Add Water	Water Added	6/5/2012
1	4	1050	6/11/2012	Drain S of 4P50A	Install Plug	Install Plug	Plug Installed	6/26/2012
1	4	696	6/11/2012	Drain S of 4P4A	Add Water	Add Water	Ongoing	Ongoing
1	5	62	6/11/2012	Drain E of 5P16A	Add Water	Add Water	Water Added	6/19/2012
3	12-21	878	6/12/2012	Drain 3ft W of 12P144	Add Water	Add Water	Water Added	6/20/2012
3	12-21	337	6/13/2012	Catch Basin E of 12V26	Add Water	Add Water	Water Added	7/5/2012
2	8	1244	6/19/2012	100ft E of GOHT under fans NNE of CPX2 Office	Add Water	Add Water	Water Added	6/27/2012
2	9	1005	6/19/2012	20ft South of Sulfur Loading Rack	Add Water	Add Water	Water Added	7/19/2012
1	29	431	6/19/2012	Drain at 29T50A-B	Add Water	Add Water	Water Added	6/26/2012
3	12-21	871	6/20/2012	Drain 3ft W of 12P146B	Add Water	Add Water	Water Added	6/27/2012
4	19	261	6/20/2012	Drain at KHT Reflux Pump (19P3A)	Add Water	Add Water	Ongoing	Ongoing
1	5	90	6/27/2012	Drain 3ft SW 5E36A	Install Plug	Install Plug	Plug Installed	7/3/2012

Table 4
Wastewater System Monitoring - Second Quarter 2012
Michigan Refining Division

Complex	Unit	Tag ID	Date	Service/Description	First Attempt	Recommended Fix	Final Repair	Final Repair Date
2	7	311	6/27/2012	Catch Basin in Roadway N of 7P105A	Add Water	Add Water	Water Added	7/10/2012
4	14	203	6/27/2012	Drain on NW side of 14V40	Add Water	Add Water	Water Added	7/5/2012
4	19	440	6/27/2012	Catch Basin SW of Water Inj Drum 19V102	Add Water	Add Water	Water Added	7/5/2012

Table 5
NSR Consent Decree Information Paragraphs 20B and 18P - Second Quarter 2012
Michigan Refining Division

Measures that MPC took during the 2nd Quarter 2012 to satisfy the provisions of Paragraph 20B and 18P(ii)(b) of the NSR Consent Decree:

Subparagraph	Requirement	Measures taken
20Bi	Training for personnel newly-assigned to LDAR	Greg Shay completed training in July 2009 for LDAR.
20Bii	Annual training for regular LDAR personnel	Regular LDAR work is contracted through Emissions Monitoring Service, Inc (EMSI Inc.) and Seal-Tech. EMSI and Seal-tech trains all personnel, training records are kept on-site.
20Biii	Training for Ops/Maint personnel	Refinery employees are required to complete a yearly Environmental Awareness CBT (Computer Based Training) module. This module, includes training information on the LDAR Program, was initiated on March 12, 2002. Additionally, contractors are required to attend a safety orientation on a yearly basis which includes information on the LDAR Program.
18P(ii)(b)	Laboratory Audits	The Detroit Refinery now has the ability to use RAD, ESC Labs of Nashville, TN, and Bureau Veritas of Livonia, MI to run all BWON samples. The Detroit Refinery began using ESC Labs of Nashville, TN on June 22, 2010.
18P(ii)(b)	Training	Affected Refinery employees are required to complete a yearly Benzene Sampling CBT (Computer Based Training) module. This module, includes training information on the Benzene NESHAP Program, was initiated on August 2002.
18P(ii)(b)	EOL Sampling Results	The EOL Sampling program was approved on March 8, 2010 for the Detroit Refinery. See Table 9 for EOL calculations.

Table 6
NSR Consent Decree Information Paragraph 20Oiic(2) - Second Quarter 2012
Michigan Refining Division

Complex	Unit	Description	Month monitored	# valves monitored	# pumps monitored	# compressors monitored	GGG # components leaking/quarter	GGGa # components leaking/quarter	# DTM components	Projected month of next monitoring
1	4	Vacuum Unit	Jun-12	533	5	2	na	1	2	Aug-12
	5	Crude Unit	Jun-12	2,284	32	0	4	na	13	Aug-12
	29	Wastewater Plant	Apr-12	846	18	0	na	3	0	Jul-12
2	7	Distillate Hydrotreater Unit	Jun-12	1,363	21	3	3	na	21	Aug-12
	8	Gas Oil Hydrotreater Unit	May-12	1,651	5	2	4	na	27	Aug-12
	9	Alkylation Unit	Apr-12	2,037	30	1	17	na	35	Jul-12
3	11	Fluid Catalytic Cracking Unit	Jun-12	459	6	0	1	na	14	Aug-12
	12/21	Gas Con/SATS Depropanizer	May-12	2,143	27	1	14	na	16	Aug-12
	13	Propylene Unit	Mar-12	690	9	3	10	na	4	Aug-12
4	14	Continuous Catalytic Reforming Unit	Apr-12	2,032	14	2	2	na	31	Jul-12
	16	Naphtha Hydrotreater Unit	May-12	1,649	23	0	na	18	52	Aug-12
	19	Kerosene Hydrotreater Unit	Apr-12	653	8	1	na	7	0	Jul-12
5	1	Crude Tank Farm	May-12	803	24	0	2	na	6	Aug-12
	2	LPG Tank Farm	Jun-12	2,138	20	0	13	na	10	Aug-12
	3/4	CP/Melvindale Tank Farms	Apr-12	1,522	26	0	1	na	9	Jul-12
	38	Rouge Terminal	May-12	50	2	0	na	1		Aug-12
		Light Product Terminal	Apr-12	808	15	0	3	na	0	Jul-12

GGG/GGGa leaking component counts includes; valves, pumps and compressors.

Table 7
Inspection Certification required under 40 CFR 61.537 (d) (6) Benzene Waste NESHAP - Second Quarter 2012
Michigan Refining Division

Revised stream/equipment name/status	Required monitoring/inspections	Inspection Status	Monitoring/ inspection rule	Equipment Classification	Note No.	Visual	Method 21*
SR Platformer Aromatics Sump (aka CP Sump)	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from the CP Sump to the CP Flare Secondary Knockout Drum (25V2)	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
CP Sump Line from 14P10 to Sour Water Collection Tank (11V25) and Low Pressure Receiver (11V4)	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
CP Flare Knockout Drums - Primary (25V1) and Secondary (25V2)	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from CP Flare Knockout Drums to the Slop Tanks 23/508 or the Low Pressure Receiver (11V4)	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Alky Spent Caustic Holding Tank (9V31) to Alky Flare Knockout Drum (9V38)	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for		61.349(f)			X	
Piping from Spent Caustic Drum (21V47) to CP Flare	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from Relief Valve of Merox System to CP Flare	Do not need to monitor or inspect this piping since it's now going to the flare system. Point of generation is the Flare Knockout Drum discharge.	--	N/A	--			
Piping from Disulfide Separator (21V33 or #3 Merox) to Slop Tanks 23/508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Tanks 508 and 23	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	

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Piping from Tank 507 to Slop Tanks 508 and 23	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Gravity Drum near Tank 507 (gravity drum near Tank 59 is currently out of service)	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for		61.343(c)			X	
Tanks 29T40 and 29T41 (Permitted as QQQ tanks with external floating roofs)	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from API separator to Tanks 29T40/41	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Tanks 29T40/41 to Slop Tanks 23 and 508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Unifiner, Alkylation, GOHT, and Crude Flare Knock-Out Drums to Tanks 23 and 508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Vacuum Trucks	The cover and all openings (e.g., bungs, hatchs, and sampling ports) must be monitored initially and annually for NDE.	Conducted 2nd Quarter 2011	61.345(a)(1)(i)	Containers			X
	Each cover and all openings shall be visually inspected initially and quarterly to ensure that they are closed and gasketed properly.	Completed	61.345(b)	Containers		X	
Piping from NHT Particulate Filter Relief to Refinery Slop System	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the Disulfide Off-Gas Knockout Drum (12V36) to Refinery Slop System	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	

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Piping from the West Plant Slop System to Slop Tanks 23/508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping associated with the carbon canister stations	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Carbon Canisters	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Water Draw Covers This includes tanks in the Crude tank farm (6, 36, 39, 40, 41, 45, 46, 47, 48, 49, 53, 61, 72), CP Tank Farm (21, 57), and Melvindale Tank Farm (102, 103, 104, 105, 106, 107, etc).	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
CP Flare	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from Tank 507 to the Benzene Stripper Column	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Benzene Stripper Column (5V36)	The cover and all openings (e.g., access hatches, sampling ports, etc) must be monitored initially and annually for NDE.	Completed	61.348(a)(2)	Treatment Processes			X
	Each seal, access door, and all other openings shall be visually inspected initially and quarterly to ensure that no cracks or gaps occur and all openings are closed and gasketed properly.		61.348(e)(1)			X	
Piping from the top of the Benzene Stripper Column (5V36) to the Overhead Condensers (5E41A/B) and to the Overhead Receiver (5V37)	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Benzene Stripper overhead condensers (5E41A/B)	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from the Crude Desalters (5V31/32) to the Benzene Stripper Column (5V36)	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from the Benzene Stripper (5V36) to the Brute Force System	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Brute Force System	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	

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Tank 507	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from the Benzene Stripper Overhead Receiver (5V37) to the Crude Desalters	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
API separator, forebay, and associated equipment	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.347(a)(1)(i)(A)	Oil-Water separators			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly to ensure that no cracks or gaps occur between the cover and oil-water separator wall and that access hatches and other openings are closed and gasketed properly.		61.347(b)			X	
Piping from Gravity Drum near Tank 507 to Slop Tanks 23 and 508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping at Gravity Drum near Tank 507 and piping at Tank 508 used for Vacuum Truck Operations (Gravity Drum near Tank 59 currently out of service).	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Tank 51 to Slop Tank 23/508.	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Tank 51/52	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from Tank 52 to Slop Tanks 23/508.	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from CP Flare Secondary Knockout Drum to CP Flare	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	

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Piping on Hydrocarbon/Liquid Line from CP Sump to FCCU Low Pressure Receiver or Refinery Slop System.	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from CP Flare Knockout Drums to the FCCU High and Low Pressure Slop Header	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from CP Sump to FCCU High and Low Pressure Slop Header	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from FCCU High Pressure Slop Header to High Pressure Slop Bullets	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from FCCU Low Pressure Slop Header to Low Pressure Slop Bullets	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
High and low pressure slop bullets	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Aboveground Sewer Lines from Melvindale or Crude Tank Farms to Tank 507	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the Marketing Terminal Sewer to Slop Tanks 23/508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	

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Truck Drain Downs at Terminal Loading Rack	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Aboveground piping from Truck Drain Downs to NESHAP Sump	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Terminal NESHAP Sump	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Tank 29T47	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
All piping To and From 29T47	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Spent Caustic Tank (9V10) to New Caustic Pot (9T29)	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Spent Caustic Pot 9T29	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Tank Cleanouts	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Railcars (when applicable to BWON)	The cover and all openings (e.g., bungs, hatchs, and sampling ports) must be monitored initially and annually for NDE.	Conducted 2nd Quarter 2011	61.345(a)(1)(i)	Containers			X
	Each cover and all openings shall be visually inspected initially and quarterly to ensure that they are closed and gasketed properly.	Completed	61.345(b)	Containers		X	
Frac Tanks (when applicable to BWON)	The cover and all openings (e.g., bungs, hatchs, and sampling ports) must be monitored initially and annually for NDE.	Completed	61.345(a)(1)(i)	Containers			X
	Each cover and all openings shall be visually inspected initially and quarterly to ensure that they are closed and gasketed properly.		61.345(b)	Containers		X	

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Slop Oil Drums	The cover and all openings (e.g., bungs, hatchs, and sampling ports) must be monitored initially and annually for NDE.	Completed Monthly	61.345(a)(1)(i)	Containers			X
	Each cover and all openings shall be visually inspected initially and quarterly to ensure that they are closed and gasketed properly.		61.345(b)	Containers		X	
All piping to Lab Slop Oil Tank	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Lab Slop Tank	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping at API Separator used for Vacuum Truck Operations	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Piping from Slop Tanks 23/508 to Crude Unit	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially		61.346(a)(2)			X	
Piping from Complex 1 Flare Knockout Drum to the Crude Flare.	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Crude Flare Itself	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from the Propane Caustic Scrubber 9V22 to Alky Spent Caustic Holding Tank 9V31	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the Alky Spent Caustic Holding Tank 9V31 used for Vacuum/Tank Trucks Operations	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.	Completed	61.346(a)(2)	Individual Drain System		X	
Unifiner Flare Knockout Drum	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for		61.343(c)			X	
Piping from the Unifiner Flare Knockout Drum to the Unifiner Flare	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Unifiner Flare Itself	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	

Table 7
Inspection Certification required under 40 CFR 61.537 (d) (6) Benzene Waste NESHAP - Second Quarter 2012
Michigan Refining Division

GOHT Flare Knockout Drum	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for		61.343(c)			X	
Piping from the GOHT Flare Knockout Drum to the Unifiner Flare	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Alky Flare Knockout Drums	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and		61.343(c)			X	
Piping from the Alky Flare Knockout Drums to the Alky Flare	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Alky Flare Itself	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from Caustic Wash Drum (9V10) to Spent Caustic Pot (9T29)	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from SWS Feed Surge Drum to Slop Tanks 23/508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Vacuum Truck Operations at Spent Caustic Tank 21T47	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the CP Primary Flare Knockout Drum 25V1 to the Secondary Knockout Drum 25V2	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Disulfide Separator (21V33 or #3 Merox) to Spent Caustic Tank 21T47	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the Caustic Scrubber (12V5) to Slop Tanks 23/508	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	

Table 7
Inspection Certification required under 40 CFR 61.537 (d) (6) Benzene Waste NESHAP - Second Quarter 2012
Michigan Refining Division

Piping from the P.P Caustic Wash Tower (13V1A/B) to Spent Caustic Tank (21T47)	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Spent Caustic Tank 21T47	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from the Debutanizer Ovhd Receiver 14V7/Water KO Pot to Aromatic Sump	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the Fuel Gas Coalescers to Aromatic Sump	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Low/High Pressure Slop Bullets to LPG Knockout Pot 22-1V5	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
LPG Knockout Drum	The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) must be monitored initially and annually for NDE.	Completed	61.343(a)(1)(i)(A)	Tanks			X
	Each fixed-roof, seal, access door, and all other openings shall be visually inspected for indications of cracks, gaps, or other problems that could result in benzene emissions, and that access doors and all other openings are closed and gasketed properly.		61.343(c)			X	
Piping from LPG Knockout Pot to Unifiner Knockout Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from the Terminal NESHAP Sump to VRU or Combustor	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
VRU and Combustor	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Fugitive Emissions Eliminator	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each control device shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
RVP Analyzer	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	

Table 7
Inspection Certification required under 40 CFR 61.537 (d) (6) Benzene Waste NESHAP - Second Quarter 2012
Michigan Refining Division

New Vacuum Truck Hookup at API Skim Pit	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from Spent Caustic Pot (9T29) to Vacuum Truck Hookup	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Control Devices			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.		61.349(f)			X	
Piping from RVP Analyzer Sample to Fugitive Emissions Eliminator	Must be monitored initially and annually for NDE.	Completed	61.349(a)(1)(i)	Closed Vent System			X
	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for		61.349(f)			X	
Piping from the MVGO Filter Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Piping from the HVGO Filter Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Piping from the LVGO Filter Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Piping from the AGO Filter Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Compressor Lube Oil Filter Changeouts (7C2) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Compressor Lube Oil Filter Changeouts (8V31A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Compressor Lube Oil Filter Changeouts (8V30A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Lube Oil Filter Changeouts (9V45A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Hydraulic Oil Filter Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	

Table 7
Inspection Certification required under 40 CFR 61.537 (d) (6) Benzene Waste NESHAP - Second Quarter 2012
Michigan Refining Division

Slurry Stripper Bottoms Strainer Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Strainer Changeouts (12V47/48) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Lube Oil Filter Changeouts (11V46A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
#6 Gas Lube Oil Filter Changeouts (12V54/55) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Lube Oil Filter Changeouts (12V45A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Lean Amine Filter Changeouts (12V45) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Lean Amine Surge Drum (12V9) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
Trim Compressor Lube Oil Filter Changeouts (13V15) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Trim Compressor Lube Oil Filter Changeouts (13V9) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Lube Oil Filter Changeouts (14ME10A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Lube Oil Filter Changeouts (14ME12A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	

Table 7
Inspection Certification required under 40 CFR 61.537 (d) (6) Benzene Waste NESHAP - Second Quarter 2012
Michigan Refining Division

Compressor Cylinder Oil Filter Changeouts (14ME18A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Compressor Lube Oil Filter Changeouts (14ME17A/B) to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result		61.346(a)(2)			X	
NHT Naphtha Feed Filter Changeouts to Unit Area Slop Drum	The cover and all openings (e.g., access hatches, sampling ports) must be monitored initially and annually for NDE.	Completed	61.346(a)(1)(i)(A)	Individual Drain System			X
	Each cover seal, access hatch, and all other openings shall be visually inspected initially and quarterly thereafter to ensure that no cracks, gaps, or other problems that could result in benzene emissions occur and access hatches and other openings are closed and gasketed properly.		61.346(a)(2)			X	
Piping from Alky Spent caustic tank 9V10, 9V31, and 9V40 through refiner flare line to the flare itself	Each closed vent system shall be visually inspected initially and quarterly. Inspection shall include inspection of ductwork, piping, connections to covers and control device for evidence of visible defects.	Completed	61.346(a)(2)	Individual Drain System		X	
API Separator Floating Roof Inspections	5 year primary seal, Annual secondary seal.	Completed	61.352(a)(1)	Alternative Standards for Oil-Water separators	2		

Notes:
1. Visual inspections carried out during February 2012
2. Secondary Seal was inspected during March 2012

*Method 21 readings for valves are completed quarterly.

Table 8
Exceedance Summary for Various Control Equipment or Treatment Processes
Second Quarter 2012
Michigan Refining Division

Equipment	Reporting Requirement	No. of Reportable Exceedances this Quarter	Regulation	Equipment Classification
Desalter Water Flash Column	Each period of operation during which the concentration of benzene is > or = to 10 ppm based upon monthly sampling of Desalter Water Flash Column effluent.	0	40 CFR 61.348(a)(1)(i) & 357(d)(7)(i)	Treatment Processes
Carbon Canisters	Each occurrence when the carbon in a carbon adsorber system that is not regenerated directly on site in the control device is not replaced at the predetermined interval specified.	0	40 CFR 61.357(d)(7)(iv)(I)	Closed Vent System or Control Device
		0	40 CFR 60.692-5(e)(5)	Closed Vent System or Control Device
Water Draw covers	All water draw covers associated with NESHAP program should be tightly sealed. This includes tanks in the Crude tank farm (6, 36, 39, 40, 41, 45, 46, 47, 48, 49, 53, 61, 72), CP Tank Farm (21, 57), and Melvindale Tank Farm (102, 103, 104, 105, 106, 107, 120, 125, 126, 127, 128, 133, 134, 112, 113, 114, 115, 129, 130, 176, 108, 109, 110, 116)	10	61.349(f)	Closed Vent System
Inspections[1]	Summarizes all inspections required by 61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, etc.) that could result in benzene emissions, including information about the repairs or corrective action taken.	116	61.357(d)(8)	See Table 7
CP Flare	Each period in which the pilot flame of a flare is absent.	0	40 CFR 61.357(d)(7)(iv)(F)	Closed Vent System or Control Device
Unifiner Flare	Each period in which the pilot flame of a flare is absent.	0	40 CFR 61.357(d)(7)(iv)(F)	Closed Vent System or Control Device
Alkylation Flare	Each period in which the pilot flame of a flare is absent.	0	40 CFR 61.357(d)(7)(iv)(F)	Closed Vent System or Control Device
Crude Flare	Each period in which the pilot flame of a flare is absent.	0	40 CFR 61.357(d)(7)(iv)(F)	Closed Vent System or Control Device
Vapor Recovery Unit	Each 3-hour period of operation during which the average temperature of the gas stream in the combustion zone of a thermal vapor incinerator, as measured by the temperature monitoring device is more than 28 °C (50°F) below the design combustion zone temperature.	0	40 CFR 61.357(d)(7)(iv)(A)	Closed Vent System or Control Device
Combustor	Each 3-hour period of operation during which the average temperature of the gas stream in the combustion zone of a boiler or process heater having a design heat input capacity less than 44 MW, as measured by the temperature monitoring device, is more than 28°C (50°F) below the design combustion zone temperature.	0	40 CFR 61.357(d)(7)(iv)(C)	Closed Vent System or Control Device
Fugitive Emissions Eliminator	Each occurrence when the carbon in a carbon adsorber system that is not regenerated directly on site in the control device is not replaced at the predetermined interval specified.	0	40 CFR 61.357(d)(7)(iv)(I)	Closed Vent System or Control Device

Note: 1. Inspections include valves and flanges that had NDE reading above 500 ppm. If deficiencies are noted, an attached summary sheet will be included.

MARATHON - DETROIT
1300 SOUTH FORT STREET
DETROIT, MI 48217

07/23/2012

LEAKING EQUIPMENT LOG

Program: NESHAPS-FF

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 01

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
1260	VALVE/ WTR DRW	0.00	W SIDE OF TK72 BY STAIRS.								
				05/01/2012	M21	850 PPM	VLV-CAP	05/01/2012	ATSC	207.00	
				05/01/2012	M21	207 PPM					05/01/2012
1463	VALVE/ WTR DRW	6.00	SOUTH SIDE OF TK48								
				05/01/2012	M21	1021 PPM	VLV-SEL	05/01/2012	ATSC	1598.00	
				05/01/2012	M21	1598 PPM		05/02/2012	VLV-TCAP	74.00	
				05/02/2012	M21	74 PPM					05/02/2012
1697	VALVE/ WTR DRW	6.00	E SIDE TK53 WATER DRAW								
				05/02/2012	M21	1551 PPM	VLV-CAP	05/02/2012	ATSC	1862.00	
				05/02/2012	M21	1862 PPM		05/03/2012	VLV-TCAP	35.00	
				05/03/2012	M21	35 PPM					05/03/2012
1698	VALVE	6.00	NW SIDE TK53 WaTER draw								
				05/02/2012	M21	1052 PPM	VLV-CAP	05/02/2012	ATSC	904.00	
				05/02/2012	M21	904 PPM		05/03/2012	VLV-TCAP	38.00	
				05/03/2012	M21	38 PPM					05/03/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 01

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed

Process Unit 01 Summary

	Component Count	Leak Count
Total in Group	4	4
Total Valves	4	4
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2324	VALVE/ CTRL	4.00	DOT LINE S SIDE OF TK98 40FT.N OF TORONTO RDWY. CV MOV 16A.								
				06/11/2012	VIS	F	VLV-PKG	06/11/2012	VLV-CL	686.00	
				06/11/2012	M21	686 PPM					
				06/11/2012	M21	8.9 PPM					
				06/11/2012	VIS	P					06/11/2012
2366	VALVE/ BALL	3.00	15FT SW OF TK98 @UG-5-009 DOT LINE	*** Placed on Delay for Turnaround on 05/02/2012							
				04/18/2012	M21	3504 PPM	VLV-PKG	04/18/2012	VLV-CL	2155.00	
				04/18/2012	M21	2155 PPM		04/20/2012	VLV-INJ	1800.00	
				04/20/2012	M21	1800 PPM		05/16/2012	VLV-CL	0.00	
				05/16/2012	VIS	F					
				05/16/2012	M21	18500 PPM					
				05/16/2012	M21	38100 PPM		06/11/2012	VLV-CL	17400.00	
				06/11/2012	M21	17400 PPM					
				06/11/2012	M21	6420 PPM					
2371.01	CONNECTOR/ FLANGE	3.00	11FT NW OF 22P51@UG-5-017 DOT LINE								
				06/11/2012	VIS	F	CON-FLG	06/11/2012	CON-CLA	1166.00	
				06/11/2012	M21	1166 PPM					
				06/11/2012	M21	546 PPM		06/12/2012	CON-CLA	88.00	
				06/12/2012	M21	88 PPM					
				06/12/2012	VIS	P					06/12/2012
2379	VALVE/ BALL	3.00	13FT NW OF 22P51. @ UG-5-015								
				06/11/2012	VIS	F	VLV-PLUG	06/11/2012	VLV-CL	894.00	
				06/11/2012	M21	894 PPM					
				06/11/2012	M21	1012 PPM		06/12/2012	VLV-TPL G	4.00	
				06/12/2012	M21	4 PPM					
				06/12/2012	VIS	P					06/12/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2383A	VALVE/ CHECK	6.00	3FT NW OF 22P51.NE OF CASING PRESSURE PANEL								
				06/11/2012	VIS	F	VLV-FLG	06/11/2012	VLV-CL	3787.00	
				06/11/2012	M21	3787 PPM					
				06/11/2012	M21	3322 PPM		06/12/2012	VLV-TFL G	150.00	
				06/12/2012	M21	150 PPM					
				06/12/2012	VIS	P					06/12/2012
2409.04	CONNECTOR/ 45	0.75	S OF 22P51@ BTM ON FLARE LINE								
				03/29/2012	M21	1053 PPM	CON	03/29/2012	CON-CLA	1292.00	
				03/29/2012	M21	1292 PPM		04/02/2012	CON-TC ON	2.00	
				04/02/2012	M21	2 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	241 PPM					04/10/2012
2423.05	CONNECTOR/ 90	1.00	E OF 22P50.W OF STAIRS.								
				06/11/2012	VIS	F	CON-90	06/11/2012	CON-CLA	802.00	
				06/11/2012	M21	802 PPM					
				06/11/2012	M21	294 PPM					
				06/11/2012	VIS	P					06/11/2012
2423.06	CONNECTOR/ 90	1.00	E OF 22P50.W OF STAIRS.								
				03/29/2012	M21	22300 PPM	CON-90	03/29/2012	CON-CLA	24800.00	
				03/29/2012	M21	24800 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	152 PPM					04/10/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2423.06	CONNECTOR/ 90	1.00	E OF 22P50.W OF STAIRS.								
				06/11/2012	M21	30100 PPM	CON-90	06/11/2012	CON-CLA	14400.00	
				06/11/2012	M21	14400 PPM		06/25/2012	CON-REP	0.00	
				06/25/2012	VIS	P					
				06/25/2012	M21	5 PPM					06/25/2012
2423.07	CONNECTOR/ SCREWED	1.00	E OF 22P50.W OF STAIRS.								
				03/29/2012	M21	19100 PPM	CON	03/29/2012	CON-CLA	30400.00	
				03/29/2012	M21	30400 PPM		04/10/2012	CON-TCON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	301 PPM					04/10/2012
2423.08	CONNECTOR/ UNION	1.00	E OF 22P50.W OF STAIRS.								
				03/29/2012	M21	4464 PPM	CON-UNION	03/29/2012	CON-CLA	4010.00	
				03/29/2012	M21	4010 PPM		04/10/2012	CON-TU	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	97 PPM					04/10/2012
2423.11	CONNECTOR/ COUPLING	1.00	E OF 22P50.W OF STAIRS.								
				06/11/2012	VIS	F	CN-TC	06/11/2012	CON-CLA	4534.00	
				06/11/2012	M21	4534 PPM					
				06/11/2012	M21	2364 PPM		06/25/2012	CON-REP	125.00	
				06/25/2012	M21	125 PPM					
				06/25/2012	VIS	P					06/25/2012
2423.12	CONNECTOR/ COUPLING	1.00	E OF 22P50.W OF STAIRS.								

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2423.12	CONNECTOR/ COUPLING	1.00	E OF 22P50.W OF STAIRS.								
				03/29/2012	M21	19000 PPM	CON	03/29/2012	CON-CLA	18700.00	
				03/29/2012	M21	18700 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	108 PPM					04/10/2012
2423.12	CONNECTOR/ COUPLING	1.00	E OF 22P50.W OF STAIRS.								
				06/11/2012	M21	16500 PPM	CN-TC	06/11/2012	CON-CLA	21600.00	
				06/11/2012	M21	21600 PPM		06/25/2012	CON-RE P	63.00	
				06/25/2012	M21	63 PPM					06/25/2012
2424.01	CONNECTOR/ 90	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	VIS	F	CON-90	06/11/2012	CON-CLA	1192.00	
				06/11/2012	M21	1192 PPM					
				06/11/2012	M21	1552 PPM		06/25/2012	CON-RE P	110.00	
				06/25/2012	M21	110 PPM					
				06/25/2012	VIS	P					06/25/2012
2424.06	CONNECTOR/ 90	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	984 PPM	CON-90	03/29/2012	CON-CLA	1001.00	
				03/29/2012	M21	1001 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	76 PPM					04/10/2012
2424.06	CONNECTOR/ 90	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	M21	1623 PPM	CON-90	06/11/2012	CON-CLA	204.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/11/2012	M21	204 PPM					06/11/2012
2424.07	CONNECTOR/ SCREWED	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	640 PPM	CON	03/29/2012	CON-CLA	765.00	
				03/29/2012	M21	765 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	45 PPM					04/10/2012
2424.07	CONNECTOR/ SCREWED	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	M21	720 PPM	CN-TC	06/11/2012	CON-CLA	483.00	
				06/11/2012	M21	483 PPM					06/11/2012
2424.08	CONNECTOR/ UNION	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	657 PPM	CON-UNIO N	03/29/2012	CON-CLA	660.00	
				03/29/2012	M21	660 PPM		04/10/2012	CON-TU	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	156 PPM					04/10/2012
2424.08	CONNECTOR/ UNION	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	M21	745 PPM	CON-SCR	06/11/2012	CON-CLA	2395.00	
				06/11/2012	M21	2395 PPM		06/25/2012	CON-RE P	340.00	
				06/25/2012	M21	340 PPM					06/25/2012
2424.09	CONNECTOR/ SCREWED	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	542 PPM	CON	03/29/2012	CON-CLA	1291.00	
				03/29/2012	M21	1291 PPM		04/10/2012	CON-TC ON	0.00	

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/10/2012	VIS	P					
				04/10/2012	M21	15 PPM					04/10/2012
2424.09	CONNECTOR/ SCREWED	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	M21	889 PPM	CON-SCR	06/11/2012	CON-CLA	732.00	
				06/11/2012	M21	732 PPM		06/25/2012	CON-REP	384.00	
				06/25/2012	M21	384 PPM					06/25/2012
2424.10	CONNECTOR/ TEE-FLG	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	561 PPM	CON-TEE	03/29/2012	CON-CLA	544.00	
				03/29/2012	M21	544 PPM		04/10/2012	CON-TFLG	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	147 PPM					04/10/2012
2424.10	CONNECTOR/ TEE-FLG	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	M21	3824 PPM	CON-TEE	06/11/2012	CON-CLA	5926.00	
				06/11/2012	M21	5926 PPM		06/25/2012	CON-REP	104.00	
				06/25/2012	M21	104 PPM					06/25/2012
2424.11	CONNECTOR/ TEE-FLG	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	5049 PPM	CON-TEE	03/29/2012	CON-CLA	19600.00	
				03/29/2012	M21	19600 PPM		04/10/2012	CON-TF	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	340 PPM					04/10/2012
2424.11	CONNECTOR/ TEE-FLG	1.00	E OF 22P50 @ PUMPSEAL								
				06/11/2012	M21	6873 PPM	CON-TEE	06/11/2012	CON-CLA	9536.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/11/2012	M21	9536 PPM		06/25/2012	CON-REP	106.00	
				06/25/2012	M21	106 PPM					06/25/2012
2424.12	CONNECTOR/ TEE-FLG	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	10700 PPM	CON-TEE	03/29/2012	CON-CLA	7348.00	
				03/29/2012	M21	7348 PPM		04/10/2012	CON-TF	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	92 PPM					04/10/2012
2424.13	CONNECTOR/ 90	1.00	E OF 22P50 @ PUMPSEAL								
				03/29/2012	M21	4504 PPM	CON-90	03/29/2012	CON-CLA	3497.00	
				03/29/2012	M21	3497 PPM		04/10/2012	CON-TCON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	289 PPM					04/10/2012
2425	VALVE/ BALL	1.00	E OF 22P50.W OF STAIRS								
				03/29/2012	M21	1285 PPM	VLV-PKG	03/29/2012	VLV-CL	1392.00	
				03/29/2012	M21	1392 PPM		04/10/2012	VLV-TP	67.00	
				04/10/2012	M21	67 PPM					04/10/2012
2426	VALVE/ BALL	0.75	N OF 22P50.W OF STAIRS								
				03/29/2012	M21	1098 PPM	VLV-PKG	03/29/2012	VLV-CL	1602.00	
				03/29/2012	M21	1602 PPM		04/10/2012	VLV-TP	5.00	
				04/10/2012	M21	5 PPM					04/10/2012
2428.11	CONNECTOR/ TEE-SCR	1.00	N OF 22P50.W OF STAIRS.								
				03/29/2012	M21	2309 PPM	CON-TEE	03/29/2012	CON-CLA	1632.00	
				03/29/2012	M21	1632 PPM		04/10/2012	CON-TCON	0.00	
				04/10/2012	VIS	P					

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/10/2012	M21	7 PPM					04/10/2012
2429.01	CONNECTOR/ SCREWED	0.75	N OF 22P50.W OF STAIRS.								
				03/29/2012	M21	2861 PPM	CON-TEE	03/29/2012	CON-CLA	2707.00	
				03/29/2012	M21	2707 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	21 PPM					04/10/2012
2429.01	CONNECTOR/ SCREWED	0.75	N OF 22P50.W OF STAIRS.								
				06/11/2012	M21	2357 PPM	CN-TC	06/11/2012	CON-CLA	1009.00	
				06/11/2012	M21	1009 PPM		06/25/2012	CON-RE P	53.00	
				06/25/2012	M21	53 PPM					06/25/2012
2430.01	CONNECTOR/ SCREWED	1.00	N OF 22P50.W OF STAIRS.								
				06/11/2012	VIS	F	CN-TC	06/11/2012	CON-CLA	777.00	
				06/11/2012	M21	777 PPM					
				06/11/2012	M21	109 PPM					
				06/11/2012	VIS	P					06/11/2012
2452	VALVE/ TWIN SEAL	3.00	9FT S OF TK99. DOT LINE								
				03/27/2012	M21	1516 PPM	VLV-PKG	03/27/2012	VLV-CL	680.00	
				03/27/2012	M21	680 PPM		04/10/2012	VLV-TP	17.00	
				04/10/2012	M21	17 PPM					04/10/2012
2459.01	CONNECTOR/ 90	1.00	12FT SE OF TK99. DOT LINE								
				06/11/2012	VIS	F	CON-90	06/11/2012	CON-CLA	1261.00	
				06/11/2012	M21	1261 PPM					
				06/11/2012	M21	5367 PPM		06/22/2012	CON-TC	40.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
									ON		
				06/22/2012	M21	40 PPM					
				06/22/2012	VIS	P					06/22/2012
2460.01	CONNECTOR/ SCREWED	1.00	12FT SE OF TK99. DOT LINE								
				03/27/2012	M21	806 PPM	CON	03/27/2012	CON-CLA	891.00	
				03/27/2012	M21	891 PPM		04/10/2012	CON-TC ON	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	15 PPM					04/10/2012
2460.01	CONNECTOR/ SCREWED	1.00	12FT SE OF TK99. DOT LINE								
				06/11/2012	M21	2838 PPM	CON-SCR	06/11/2012	CON-CLA	15200.00	
				06/11/2012	M21	15200 PPM		06/22/2012	CON-TC ON	84.00	
				06/22/2012	M21	84 PPM		06/25/2012	CON-RE P	14.00	
				06/25/2012	M21	14 PPM					06/25/2012
2461.01	CONNECTOR/ SCREWED	0.75	12FT SE OF TK99. DOT LINE								
				06/11/2012	VIS	F	CN-TC	06/11/2012	CON-CLA	15100.00	
				06/11/2012	M21	15100 PPM					
				06/11/2012	M21	23800 PPM		06/22/2012	CON-TC ON	26.00	
				06/22/2012	M21	26 PPM					
				06/22/2012	VIS	P					06/22/2012
2461.02	CONNECTOR/ SCREWED	0.75	12FT SE OF TK99. DOT LINE								
				03/27/2012	M21	695 PPM	CON	03/27/2012	CON-CLA	685.00	
				03/27/2012	M21	685 PPM		04/10/2012	CON-TC	0.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
									ON		
				04/10/2012	VIS	P					
				04/10/2012	M21	29 PPM					04/10/2012
2497.01	CONNECTOR/ FLANGE	8.00	15FT S OF TK191.DOT LINE								
				03/27/2012	M21	999 PPM	CON-FLG	03/27/2012	CON-CLA	1712.00	
				03/27/2012	M21	1712 PPM		04/10/2012	CON-TF	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	39 PPM					04/10/2012
2497.01	CONNECTOR/ FLANGE	8.00	15FT S OF TK191.DOT LINE								
				06/12/2012	M21	964 PPM	CON-FLG	06/12/2012	CON-CLA	820.00	
				06/12/2012	M21	820 PPM		06/22/2012	CON-TFLG	1203.00	
				06/22/2012	M21	1203 PPM		06/25/2012	CON-RGSK	76.00	
				06/25/2012	M21	76 PPM					06/25/2012
2500.12	CONNECTOR/ PLUG	2.00	16FT S OF TK191.DOT LINE 4WAY CV S OF VLV								
				06/12/2012	VIS	F	CON-PLG	06/12/2012	CON-CLA	591.00	
				06/12/2012	M21	591 PPM					
				06/12/2012	M21	563 PPM		06/22/2012	CON-TPLG	668.00	
				06/22/2012	M21	668 PPM		06/25/2012	CON-RPLG	196.00	
				06/25/2012	M21	196 PPM					
				06/25/2012	VIS	P					06/25/2012
2502.01	CONNECTOR/ UNION	0.75	20FT S OF TK191.DOT LINE								
				03/27/2012	M21	2011 PPM	CON-UNIO	03/27/2012	CON-CLA	964.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2502.01	CONNECTOR/ UNION	0.75	20FT S OF TK191.DOT LINE				N				
				03/27/2012	M21	964 PPM		04/10/2012	CON-TU	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	152 PPM					04/10/2012
2502.01	CONNECTOR/ UNION	0.75	20FT S OF TK191.DOT LINE								
				06/12/2012	M21	5659 PPM	CON-UNIO N	06/12/2012	CON-CLA	2673.00	
				06/12/2012	M21	2673 PPM		06/22/2012	CON-TU	8.00	
				06/22/2012	M21	8 PPM		06/25/2012	CON-RE P	25.00	
				06/25/2012	M21	25 PPM					06/25/2012
2508.02	CONNECTOR/ TEE-SCR	0.50	30FT SE OF TK191.DOT LINE CORNER								
				03/27/2012	M21	2279 PPM	CON-TUB	03/27/2012	CON-CLA	2660.00	
				03/27/2012	M21	2660 PPM		04/10/2012	CON-TIG	0.00	
				04/10/2012	VIS	P					
				04/10/2012	M21	34 PPM					04/10/2012
2508.02	CONNECTOR/ TEE-SCR	0.50	30FT SE OF TK191.DOT LINE CORNER								
				06/12/2012	M21	902 PPM	CON-TEE	06/12/2012	CON-CLA	2532.00	
				06/12/2012	M21	2532 PPM		06/25/2012	CON-RE P	4.00	
				06/25/2012	M21	4 PPM					06/25/2012
2508.03	CONNECTOR/ TEE-SCR	0.50	30FT SE OF TK191.DOT LINE CORNER								
				03/27/2012	M21	3881 PPM	CON-TUB	03/27/2012	CON-CLA	4025.00	
				03/27/2012	M21	4025 PPM		04/10/2012	CON-TFI	0.00	
				04/10/2012	VIS	P					

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/10/2012	M21	284 PPM					04/10/2012
2508.03	CONNECTOR/ TEE-SCR	0.50	30FT SE OF TK191.DOT LINE CORNER								
				06/12/2012	M21	1809 PPM	CON-TUB	06/12/2012	CON-CLA	1110.00	
				06/12/2012	M21	1110 PPM		06/25/2012	CON-REP	4.00	
				06/25/2012	M21	4 PPM					06/25/2012
2510.03	CONNECTOR/ COUPLING	0.25	30FT SE OF TK191.DOT LINE CORNER								
				06/12/2012	VIS	F	CON-CAP	06/12/2012	CON-CLA	1918.00	
				06/12/2012	M21	1918 PPM					
				06/12/2012	M21	199 PPM					
				06/12/2012	VIS	P					06/12/2012
2528	VALVE/ BALL	0.75	16FT SE OF TK191.DOT LINE.								
				03/27/2012	M21	1949 PPM	VLV-PKG	03/27/2012	VLV-CL	1403.00	
				03/27/2012	M21	1403 PPM		04/10/2012	VLV-TP	242.00	
				04/10/2012	M21	242 PPM					04/10/2012
2586.03	CONNECTOR/ FLANGE	2.00	TOP S SIDE OF TK 99 TOP FLANGE								
				06/04/2012	VIS	F	CON-FLG	06/04/2012	CON-CLA	3661.00	
				06/04/2012	M21	3661 PPM					
				06/04/2012	M21	6828 PPM		06/05/2012	CON-TFLG	260.00	
				06/05/2012	M21	260 PPM					
				06/05/2012	VIS	P					06/05/2012
2635.02	CONNECTOR/ 90-FLG	4.00	22P42 W OF TK 98. N FLANGE.								
				06/04/2012	VIS	F	CON-FLG	06/04/2012	CON-CLA	1598.00	
				06/04/2012	M21	1598 PPM		06/04/2012	CON-CLA	2068.00	
				06/04/2012	M21	2068 PPM		06/05/2012	CON-TFL	160.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
									G		
				06/05/2012	M21	160 PPM					
				06/05/2012	VIS	P					06/05/2012
2644.07	CONNECTOR/ PLUG	0.75	22P81 W OF TK 98.1FT N OF PUMP.								
				06/05/2012	VIS	F	CON-PLG	06/05/2012	CON-CLA	2766.00	
				06/05/2012	M21	2766 PPM					
				06/05/2012	M21	3521 PPM		06/06/2012	CON-TPL G	5.00	
				06/06/2012	M21	5 PPM					
				06/06/2012	VIS	P					06/06/2012
2645.01	CONNECTOR/ FLANGE	3.00	22P81 W OF TK 98.1FT N OF PUMP.S FLANGE.								
				06/05/2012	VIS	F	CON-FLG	06/05/2012	CON-CLA	1087.00	
				06/05/2012	M21	1087 PPM					
				06/05/2012	M21	1858 PPM		06/06/2012	CON-RPF LG	250.00	
				06/06/2012	M21	250 PPM					
				06/06/2012	VIS	P					06/06/2012
2656.01	CONNECTOR/ FLANGE	3.00	UNDERNEATH TK99 IN MIDDLE .TOP FLANGE.								
				06/05/2012	VIS	F	CON-FLG	06/05/2012	CON-CLA	888.00	
				06/05/2012	M21	888 PPM					
				06/05/2012	M21	1607 PPM		06/06/2012	CON-CLA	200.00	
				06/06/2012	M21	200 PPM					
				06/06/2012	VIS	P					06/06/2012
2659	VALVE/ ORBIT	4.00	UNDERNEATH TK190 NW SIDE.btw 99/190								
				06/05/2012	VIS	F	VLV-PKG	06/05/2012	VLV-CL	1599.00	
				06/05/2012	M21	1599 PPM					

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/05/2012	M21	2788 PPM		06/06/2012	VLV-TP	82.00	
				06/06/2012	M21	82 PPM					
				06/06/2012	VIS	P					06/06/2012
2664A	CONNECTOR/ FLANGE	4.00	UNDERNEATH TK190 E SIDE.								
				06/05/2012	VIS	F	CON-FLG	06/05/2012	CON-CLA	702.00	
				06/05/2012	M21	702 PPM					
				06/05/2012	M21	635 PPM		06/06/2012	CON-CLA	180.00	
				06/06/2012	M21	180 PPM					
				06/06/2012	VIS	P					06/06/2012
2666	VALVE/ CHECK	3.00	UNDERNEATH TK191 IN MIDDLE.								
				06/05/2012	VIS	F	VLV-BON	06/05/2012	VLV-CL	767.00	
				06/05/2012	M21	767 PPM					
				06/05/2012	M21	62.88 PPM					
				06/05/2012	VIS	P					06/05/2012
2776.01	CONNECTOR/ FLANGE	4.00	TOP OF TK 191. S SIDE 1FT OF CATWALK. BTM FLANGE.								
				06/06/2012	VIS	F	CON-FLG	06/06/2012	CON-CLA	26400.00	
				06/06/2012	M21	26400 PPM					
				06/06/2012	M21	77100 PPM		06/11/2012	CON-TF	4.00	
				06/11/2012	M21	4 PPM					
				06/11/2012	VIS	P					06/11/2012
2813.01	CONNECTOR/ SCREWED	0.50	N SIDE OF TK 190 @ BTM.								
				06/06/2012	VIS	F	CON	06/06/2012	CON-CLA	1903.00	
				06/06/2012	M21	1903 PPM					
				06/06/2012	M21	617 PPM		06/07/2012	CON-CLA	5.00	
				06/07/2012	M21	5 PPM					
				06/07/2012	VIS	P					06/07/2012

LEAKING EQUIPMENT LOG

Program: NESHAPS-FF

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2813.04	CONNECTOR/ SCREWED	0.50	N SIDE OF TK 190 @ BTM.								
				06/06/2012	VIS	F	CON-CAP	06/06/2012	CON-CLA	6095.00	
				06/06/2012	M21	6095 PPM					
				06/06/2012	M21	11900 PPM		06/07/2012	CON-TPL G	5.00	
				06/07/2012	M21	5 PPM					
				06/07/2012	VIS	P					06/07/2012
2826.01	CONNECTOR/ FLANGE	3.00	N SIDE OF TK 99 @ BTM. TOP FLANGE.								
				06/06/2012	VIS	F	CON-FLG	06/06/2012	CON-CLA	1170.00	
				06/06/2012	M21	1170 PPM					
				06/06/2012	M21	747 PPM		06/06/2012	CON-TFL G	170.00	
				06/06/2012	M21	170 PPM					
				06/06/2012	VIS	P					06/06/2012
2866.02	CONNECTOR/ FLANGE	3.00	BTWN TK 99 & 98. N SIDE S OF LADDER. TOP FLANGE.								
				06/07/2012	VIS	F	CON-FLG	06/07/2012	CON-CLA	1805.00	
				06/07/2012	M21	1805 PPM					
				06/07/2012	M21	1614 PPM		06/08/2012	CON-CLA	72.00	
				06/08/2012	M21	72 PPM					
				06/08/2012	VIS	P					06/08/2012
3319A.01	CONNECTOR/ FLANGE	3.00	TOP OF TK 89 N OF CATWALK INSIDE OF CHAINED AREA								
				06/12/2012	VIS	F	CON-FLG	06/12/2012	CON-CLA	1362.00	
				06/12/2012	M21	1362 PPM					
				06/12/2012	M21	76.52 PPM					
				06/12/2012	VIS	P					06/12/2012
3414.01	CONNECTOR/ PLUG	0.75	SSD OF BULLET 93 1FT SW OF TANK ON SMPL STATION 10FT E OF BULLET 92								

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
3414.01	CONNECTOR/ PLUG	0.75	SSD OF BULLET 93 1FT SW OF TANK ON SMPL STATION 10FT E OF BULLET 92								
				06/13/2012	VIS	F	CON-SCR	06/13/2012	CON-CLA	11800.00	
				06/13/2012	M21	11800 PPM					
				06/13/2012	M21	6119 PPM		06/14/2012	CON-TC ON	0.00	
				06/14/2012	VIS	P					
				06/14/2012	M21	9 PPM					06/14/2012
3461.01	CONNECTOR/ PLUG	0.75	SWSD OF BULLET 92 OVHD OF LVL ARM 10FT FROM BULLET 91								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	124900.00	
				06/14/2012	M21	124900 PPM					
				06/14/2012	M21	86500 PPM		06/15/2012	CON-TPL G	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	13 PPM					06/15/2012
3467.01	CONNECTOR/ PLUG	0.75	SESD OF BULLET 91 OVHD OF LVL ARM 10FT FROM BULLET 90								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-RPL G	2663.00	
				06/14/2012	M21	2663 PPM					
				06/14/2012	M21	171 PPM					
				06/15/2012	VIS	P					06/15/2012
3473.01	CONNECTOR/ PLUG	0.50	BLW SSD OF BULLET 91 10FT FROM BULLET 90								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-TPL G	2225.00	
				06/14/2012	M21	2225 PPM					
				06/14/2012	M21	2008 PPM		06/15/2012	CON-TPL G	0.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/15/2012	VIS	P					
				06/15/2012	M21	17 PPM					06/15/2012
3486A.05	CONNECTOR/ PLUG	0.75	SWSD OF BULLET 91 4FT FROM BULLET 90 UNDER CATWALK								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	981.00	
				06/14/2012	M21	981 PPM					
				06/14/2012	M21	1196 PPM		06/15/2012	CON-TPL G	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	30 PPM					06/15/2012
3497.01	CONNECTOR/ PLUG	0.75	BLW SWSD OF BULLET 90 10FT E OF BULLET 89								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	526.00	
				06/14/2012	M21	526 PPM					
				06/14/2012	M21	533 PPM		06/15/2012	CON-TPL G	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	10 PPM					06/15/2012
3514.01	CONNECTOR/ PLUG	0.75	SWSD OF BULLET 90 OUTSIDE CAGE LADDER RIGHT SIDE 10FT E OF BULLET 89								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	1080.00	
				06/14/2012	M21	1080 PPM					
				06/14/2012	M21	888 PPM		06/15/2012	CON-TPL G	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	7 PPM					06/15/2012
3762	VALVE/ ORIFIC	0.75	IN PIPERACK 20FT NW OF 22V5.								
				04/19/2012	M21	739 PPM	VLV-BON	04/19/2012	VLV-CL	914.00	
				04/19/2012	M21	914 PPM		04/19/2012	VLV-CL	85.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				04/20/2012	M21	85 PPM		04/20/2012	VLV-TBON		04/20/2012
3963.01	CONNECTOR/ PLUG	1.00	ON PUMP 22P87 DISCHARGE LINE 10' W OF TK80								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	823.00	
				06/14/2012	M21	823 PPM					
				06/14/2012	M21	2287 PPM		06/15/2012	CON-TPLG	12.00	
				06/15/2012	M21	12 PPM					
				06/15/2012	VIS	P					06/15/2012
3965.02	CONNECTOR/ FLANGE	3.00	ON PUMP 22P87 DISCHARGE LINE 12' W OF TK80								
				06/14/2012	VIS	F	CON-FLG	06/14/2012	CON-CLA	2263.00	
				06/14/2012	M21	2263 PPM					
				06/14/2012	M21	1189 PPM		06/15/2012	CON-TFLG	10.00	
				06/15/2012	M21	10 PPM					
				06/15/2012	VIS	P					06/15/2012
3987.02	CONNECTOR/ TUBCON	0.50	PUMP 22P86 FROM SEAL @ VLV 12' W OF TK80								
				06/14/2012	VIS	F	CON-TUB	06/14/2012	CON-CLA	3094.00	
				06/14/2012	M21	3094 PPM					
				06/14/2012	M21	1496 PPM		06/15/2012	CON-TCON	12.00	
				06/15/2012	M21	12 PPM					
				06/15/2012	VIS	P					06/15/2012
3998.02	CONNECTOR/ FLANGE	3.00	PUMP 22P85 ON SUCTION LINE W OF TK80								
				06/18/2012	VIS	F	CON-FLG	06/18/2012	CON-CLA	1061.00	
				06/18/2012	M21	1061 PPM					

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/18/2012	M21	880 PPM		06/19/2012	CON-TF	22.00	
				06/19/2012	M21	22 PPM					
				06/19/2012	VIS	P					06/19/2012
3999.02	CONNECTOR/ FLANGE	3.00	PUMP 22P85 ON SUCTION LINE W OF TK80								
				06/18/2012	VIS	F	CON-FLG	06/18/2012	CON-CLA	33300.00	
				06/18/2012	M21	33300 PPM					
				06/18/2012	M21	6113 PPM		06/19/2012	CON-TFLG	166.00	
				06/19/2012	M21	166 PPM					
				06/19/2012	VIS	P					06/19/2012
4000.04	CONNECTOR/ FLANGE	2.00	PUMP 22P85 ON SUCTION LINE W OF TK80								
				06/18/2012	VIS	F	CON-FLG	06/18/2012	CON-CLA	568.00	
				06/18/2012	M21	568 PPM					
				06/18/2012	M21	3018 PPM		06/19/2012	CON-TFLG	70.00	
				06/19/2012	M21	70 PPM					
				06/19/2012	VIS	P					06/19/2012
4017.03	CONNECTOR/ PLUG	0.75	PUMP 22P85 ON FLARE LINE W OF TK80								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	632.00	
				06/14/2012	M21	632 PPM					
				06/14/2012	M21	981 PPM		06/15/2012	CON-TPLG	19.00	
				06/15/2012	M21	19 PPM					
				06/15/2012	VIS	P					06/15/2012
4052	VALVE/ ORBIT	6.00	S SIDE TK82 TOP BLK								
				06/14/2012	VIS	F	VLV-PKG	06/14/2012	VLV-CL	683.00	

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/14/2012	M21	683 PPM					
				06/14/2012	M21	11800 PPM		06/15/2012	VLV-TP	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	97 PPM					06/15/2012
4058.06	CONNECTOR/ FLANGE	16.00	S SIDE TK82 TOP BLK.BTM FLANGE								
				06/14/2012	VIS	F	CON-FLG	06/14/2012	CON-CLA	95500.00	
				06/14/2012	M21	95500 PPM					
				06/14/2012	M21	9021 PPM					
				06/28/2012	VIS	P		06/28/2012	CON-RG SK	58.00	
				06/28/2012	M21	58 PPM					06/28/2012
4061	VALVE/ ORBIT	6.00	S SIDE TK83 TOP BLK								
				04/18/2012	M21	19700 PPM	VLV-PKG	04/18/2012	VLV-CL	30800.00	
				04/18/2012	M21	30800 PPM		04/19/2012	VLV-TP	20.00	
				04/19/2012	M21	20 PPM					04/19/2012
4061	VALVE/ ORBIT	6.00	S SIDE TK83 TOP BLK								
				05/16/2012	VIS	F	VLV-PKG	05/16/2012	VLV-CL	15400.00	
				05/16/2012	M21	15400 PPM					
				05/16/2012	M21	18700 PPM		05/17/2012	VLV-TP	6.00	
				05/17/2012	M21	6 PPM					
				05/17/2012	VIS	P					05/17/2012
4061.07	CONNECTOR/ FLANGE	16.00	S SIDE TK83 TOP BLK BLIND.BTM FLANGE								
				06/14/2012	VIS	F	CON-FLG	06/14/2012	CON-BOX	3839.00	
				06/14/2012	M21	3839 PPM					
				06/14/2012	M21	1172 PPM		06/21/2012	CON-TFLG	0.00	

LEAKING EQUIPMENT LOG

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Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/21/2012	VIS	P					
				06/21/2012	M21	210 PPM					06/21/2012
4086.02	CONNECTOR/ PLUG	2.00	N SIDE TK81 BTM DRAIN UNDERNEATH								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	974.00	
				06/14/2012	M21	974 PPM					
				06/14/2012	M21	1923 PPM		06/15/2012	CON-TPLG	160.00	
				06/15/2012	M21	160 PPM					
				06/15/2012	VIS	P					06/15/2012
4197.01	CONNECTOR/ PLUG	0.50	TK 83 S SIDE OVHD TEMP MTR								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	1202.00	
				06/14/2012	M21	1202 PPM					
				06/14/2012	M21	4479 PPM		06/15/2012	CON-TPLG	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	16 PPM					06/15/2012
4204.01	CONNECTOR/ PLUG	0.75	TK 83 S SIDE OVHD BLDR								
				06/14/2012	VIS	F	CON-PLG	06/14/2012	CON-CLA	7775.00	
				06/14/2012	M21	7775 PPM					
				06/14/2012	M21	3151 PPM		06/15/2012	CON-TPLG	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	8 PPM					06/15/2012
4221	VALVE/ ORBIT	6.00	TK 83 S SIDE BTM BLK UNDERNEATH								
				06/18/2012	VIS	F	VLV-PKG	06/18/2012	VLV-CL	2705.00	
				06/18/2012	M21	2705 PPM					

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
				06/18/2012	M21	3653 PPM		06/19/2012	VLV-TP	37.00	
				06/19/2012	M21	37 PPM					
				06/19/2012	VIS	P					06/19/2012
4269.02	CONNECTOR/ PLUG	0.50	TK 81 S SIDE BTM BLDR @SG								
				06/20/2012	VIS	F	CON-PLG	06/20/2012	CON-CLA	787.00	
				06/20/2012	M21	787 PPM					
				06/20/2012	M21	126 PPM					
				06/20/2012	VIS	P					06/20/2012
4272.07	CONNECTOR/ PLUG	0.50	TK 81 S SIDE BTM DrAIN								
				06/20/2012	VIS	F	CON-PLG	06/20/2012	CON-CLA	1128.00	
				06/20/2012	M21	1128 PPM					
				06/20/2012	M21	1120 PPM		06/21/2012	CON-TPLG	0.00	
				06/21/2012	VIS	P					
				06/21/2012	M21	39 PPM					06/21/2012
4275.01	CONNECTOR/ SCREWED	0.50	TK 81 S SIDE BTM BLK								
				06/20/2012	VIS	F	CON	06/20/2012	CON-CLA	928.00	
				06/20/2012	M21	928 PPM					
				06/20/2012	M21	812 PPM		06/21/2012	CON-TCON	0.00	
				06/21/2012	VIS	P					
				06/21/2012	M21	5 PPM					06/21/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 02

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed

Process Unit 02 Summary

	Component Count	Leak Count
Total in Group	78	93
Total Valves	14	15
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	64	78
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 05

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
41427	CONNECTOR/ FLANGE	8.00	5V36 FLG. 3RD DECK S.W. SIDE OF VESSEL								
				06/04/2012	VIS	F	CON-FLG	06/04/2012	CON-CLA	539.00	
				06/04/2012	M21	539 PPM					
				06/04/2012	M21	593 PPM		06/05/2012	CON-CLA	191.00	
				06/05/2012	M21	191 PPM					
				06/05/2012	VIS	P					06/05/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 05

Compliance Group : 04

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
4557.03	CONNECTOR/ PLUG	1.00	N SDE OF TK 507. BY STAIRS @ SAMPLE TAP.								
				03/30/2012	VIS	F		04/02/2012	CON-TPL G	2.00	
				04/02/2012	M21	2 PPM		04/02/2012	CON-IPL G	0.00	
				04/02/2012	VIS	P					
				04/02/2012	M21	5 PPM					04/02/2012

Process Unit 05 Summary

	Component Count	Leak Count
Total in Group	2	2
Total Valves	0	0
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	2	2
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 09

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
2-01615	VALVE	0.50	BLOCK VLV NEAR PUMPS 7P40 & 41 UNIFINER AND ALKY FLARE SYSTEM								
				04/12/2012	M21	526 PPM	VLV-PLUG	04/12/2012	VLV-CL	33.77	
				04/12/2012	M21	33.77 PPM					04/12/2012

Process Unit 09 Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	1	1
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 14

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
30641	VALVE/ GATE	2.00	WATER BOOT 5FT W OF 14V6 10 FT HI								
				04/10/2012	M21	682 PPM	VLV-PKG	04/10/2012	VLV-CL	104.00	
				04/10/2012	M21	104 PPM					04/10/2012

Process Unit 14 Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	1	1
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 19

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
0834	PUMP	0.00	19P103 UNDER 19V6								
				06/14/2012	VIS	F		06/15/2012	PMP-WS E	0.00	
				06/15/2012	VIS	P					
				06/15/2012	M21	10 PPM					06/15/2012

Process Unit 19 Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	0	0
Total Pumps	1	1
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 29

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
11889	VALVE	0.00	20' EAST OF KVP BUILDING @ NORTH SIDE OF 4 BAY 6' WEST OF FENCE								
				05/16/2012	VIS	F	VLV-PKG	05/16/2012	VLV-CL	781.00	
				05/16/2012	M21	781 PPM					
				05/16/2012	M21	1127 PPM		05/18/2012	VLV-CP	45.00	
				05/18/2012	M21	45 PPM					
				05/18/2012	VIS	P					
				05/18/2012	M21	0 PPM					05/18/2012
11889	VALVE	0.00	20' EAST OF KVP BUILDING @ NORTH SIDE OF 4 BAY 6' WEST OF FENCE								
				06/22/2012	M21	661 PPM	VLV-PKG	06/22/2012	VLV-CL	1421.00	
				06/22/2012	M21	1421 PPM		07/03/2012	VLV-TP	0.00	
				07/03/2012	M21	0 PPM					07/03/2012
11978.01	CONNECTOR/ SCREWED	0.50	40' NORTH WEST OF 29T40 ON SOUTH EAST SIDE OF SUMP								
				04/26/2012	M21	872 PPM	CON-SCR	04/26/2012	CON-CLA	6002.00	
				04/26/2012	M21	6002 PPM		04/27/2012	CON-CLA	137.00	
				04/27/2012	M21	137 PPM					04/27/2012
11979	VALVE/ GATE	0.50	40' NORTH WEST OF 29T40 ON SOUTH EAST SIDE OF SUMP								
				04/26/2012	M21	15100 PPM	VLV-PKG	04/26/2012	ATTB	15000.00	
				04/26/2012	M21	15000 PPM		04/27/2012	VLV-TP	36.00	
				04/27/2012	M21	36 PPM					04/27/2012
11979.01	CONNECTOR/ SCREWED	0.50	40' NORTH WEST OF 29T40 ON SOUTH EAST SIDE OF SUMP @ GAUGE								
				04/26/2012	M21	3361 PPM	CON-SCR	04/26/2012	CON-CLA	5202.00	
				04/26/2012	M21	5202 PPM		04/27/2012	CON-CLA	120.00	
				04/27/2012	M21	120 PPM					04/27/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 29

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed

Process Unit 29 Summary

	Component Count	Leak Count
Total in Group	4	5
Total Valves	2	3
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	2	2
Total Agitators	0	0
Total Other Equipment	0	0

Process Unit : 34

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
4955	VALVE/ WTR DRW	6.00	W SIDE OF TK116 NEAR STAIRS								
				04/13/2012	M21	1197 PPM	VLV-SEL	04/13/2012	TBL	553.00	
				04/13/2012	M21	553 PPM		04/13/2012	TBL	640.00	
				04/13/2012	M21	640 PPM		04/16/2012	VLV-CL	4.00	
				04/16/2012	M21	4 PPM					04/16/2012
5037	VALVE/ WTR DRW	6.00	SOUTH SIDE TK116								
				04/13/2012	M21	3095 PPM	WTR DRW CA	04/13/2012	VLV-CL	2518.00	
				04/13/2012	M21	2518 PPM		04/16/2012	VLV-CL	2.00	
				04/16/2012	M21	2 PPM					04/16/2012
5047	VALVE/ WTR DRW	6.00	EAST OF SIDE TK103								
				04/13/2012	M21	8984 PPM	WTR DRW CA	04/13/2012	VLV-CL	13700.00	
				04/13/2012	M21	13700 PPM		04/16/2012	VLV-CL	26.00	
				04/16/2012	M21	26 PPM					04/16/2012
5051	VALVE	6.00	SOUTH EAST SIDE TK118								
				04/13/2012	M21	1407 PPM	WTR DRW CA	04/13/2012	VLV-CL	1527.00	
				04/13/2012	M21	1527 PPM		04/16/2012	VLV-CL	15.00	
				04/16/2012	M21	15 PPM					04/16/2012
5215	VALVE/ WELDED	6.00	SOUTH WEST SIDE OF TK108								
				04/13/2012	M21	3963 PPM	VLV-CAP	04/13/2012	ATTB	2778.00	
				04/13/2012	M21	2778 PPM		04/16/2012	VLV-TCAP	27.00	
				04/16/2012	M21	27 PPM					04/16/2012
5217	VALVE/ WTR DRW	6.00	SOUTH EAST SIDE OF TK108								

Process Unit : 34

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
5217	VALVE/ WTR DRW	6.00	SOUTH EAST SIDE OF TK108								
				04/13/2012	M21	709 PPM	VLV-CAP	04/13/2012	ATTB	565.00	
				04/13/2012	M21	565 PPM		04/16/2012	VLV-CL	24.00	
				04/16/2012	M21	24 PPM					04/16/2012
5244	VALVE/ WTR DRW	6.00	SOUTH WEST SIDE OF TK109 WATER DRAW								
				04/13/2012	M21	2544 PPM	VLV-CAP	04/13/2012	ATTB	1830.00	
				04/13/2012	M21	1830 PPM		04/17/2012	VLV-CL	2.00	
				04/17/2012	M21	2 PPM					04/17/2012
5247	VALVE/ WTR DRW	6.00	SOUTH EAST SIDE OF TK109 WATER DRAW								
				04/13/2012	M21	1487 PPM	VLV-CAP	04/13/2012	ATTB	3637.00	
				04/13/2012	M21	3637 PPM		04/16/2012	VLV-TCAP	31.00	
				04/16/2012	M21	31 PPM					04/16/2012
5318	VALVE	6.00	EAST SIDE OF TK112								
				04/16/2012	M21	686 PPM	VLV-CAP	04/16/2012	ATTB	823.00	
				04/16/2012	M21	823 PPM		04/16/2012	ATTB	3.00	
				04/17/2012	M21	3 PPM		04/17/2012	VLV-CL		04/17/2012
5365	VALVE	6.00	SOUTH OF TK113								
				04/16/2012	M21	916 PPM	VLV-CAP	04/16/2012	ATTB	1176.00	
				04/16/2012	M21	1176 PPM		04/17/2012	VLV-CL	134.00	
				04/17/2012	M21	134 PPM					04/17/2012
5716.02	CONNECTOR/ COUPLING	1.00	CC ST#1. W SIDE TO SUMP								
				04/16/2012	M21	711 PPM	CN-TC	04/16/2012	CON-CLA	705.00	
				04/16/2012	M21	705 PPM		04/17/2012	CON-CLA	6.00	
				04/17/2012	M21	6 PPM					04/17/2012
5831	VALVE/ WTR DRW	6.00	NORTH EAST SIDE OF TK129								

Process Unit : 34

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
5831	VALVE/ WTR DRW	6.00	NORTH EAST SIDE OF TK129								
				04/17/2012	M21	589 PPM	VLV-CAP	04/17/2012	ATTB	19.04	
				04/17/2012	M21	19.04 PPM					04/17/2012
5858	VALVE	0.00	SOUTH WEST SIDE OF TK130								
				04/17/2012	M21	888 PPM	VLV-SEL	04/17/2012	VLV-TCAP	98.49	
				04/17/2012	M21	98.49 PPM					04/17/2012
5868	VALVE	6.00	NORTH EAST SIDE OF TK128 NEAR STAIRS WATER Draw								
				04/17/2012	M21	1699 PPM	VLV-SEL	04/17/2012	ATTB	636.00	
				04/17/2012	M21	636 PPM		04/18/2012	TBL	4.00	
				04/18/2012	M21	4 PPM					04/18/2012
5878	VALVE	6.00	NORTH EAST SIDE OF TK127 WATER Draw								
				04/17/2012	M21	6551 PPM	VLV-SEL	04/17/2012	TBL	8093.00	
				04/17/2012	M21	8093 PPM		04/18/2012	VLV-CL	5.00	
				04/18/2012	M21	5 PPM					04/18/2012
5881A	VALVE	6.00	NORTH SIDE OF TK126 NEAR CATWALK WATER Draw								
				04/17/2012	M21	947 PPM	VLV-SEL	04/17/2012	TBL	1297.00	
				04/17/2012	M21	1297 PPM		04/18/2012	VLV-CL	3.00	
				04/18/2012	M21	3 PPM					04/18/2012
5882	VALVE	6.00	SOUTH SIDE OF TK125 WATER Draw								
				04/17/2012	M21	2857 PPM	VLV-SEL	04/17/2012	TBL	1627.00	
				04/17/2012	M21	1627 PPM		04/18/2012	VLV-CL	4.00	
				04/18/2012	M21	4 PPM					04/18/2012
5884	VALVE	6.00	WEST SIDE OF TK125 WATER Draw								
				04/17/2012	M21	1216 PPM	VLV-SEL	04/17/2012	TBL	137.00	
				04/17/2012	M21	137 PPM					04/17/2012

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : 34

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed

Process Unit 34 Summary

	Component Count	Leak Count
Total in Group	18	18
Total Valves	17	17
Total Pumps	0	0
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	1	1
Total Agitators	0	0
Total Other Equipment	0	0

LEAKING EQUIPMENT LOG

Reporting Period 04/01/2012 - 06/30/2012

Process Unit : TERM

Tag Number	Part / Type	Size	Location	Monitor Date	Test Method	PPM Reading	Part Leaking	Repair Date	Repair Method	Remonitor Reading	Date Completed
30551	PUMP/ CENTRIF	0.00	PUMP AT AA-10 -2 TERM								
				03/27/2012	VIS	F	PMP-SEAL	03/27/2012	PMP-WS E	38200.00	
				03/27/2012	M21	38200 PPM					
				03/27/2012	M21	4216 PPM		03/28/2012	PMP-WS E	120.00	
				03/28/2012	M21	120 PPM					
				04/05/2012	VIS	P					04/05/2012

Process Unit TERM Summary

	Component Count	Leak Count
Total in Group	1	1
Total Valves	0	0
Total Pumps	1	1
Total Compressors	0	0
Total Relief Valves	0	0
Total Connectors	0	0
Total Agitators	0	0
Total Other Equipment	0	0

Table 9
Michigan Refining Division
Second Quarter End of Line Calculations

Q2 2012		S1 Sand Filter Effluent	S2 29T40/41	S3a Centrifuge Solids	S3b 29T12	S7 29T47	S4 Vacuum Truck	S5 Miscellaneous	S6 Spent Caustic	Monthly Total (kg)
April-12	Individual Sample Results (ppm)	0.05	220.00	0.21	1.00	0.27				
		0.02	2.97	0.35	0.03	0.10				
		0.07	126.67	1.43	1.00	0.61				
		0.01	303.33	0.96	1.25	0.56				
	Average Sample Results (ppm)	0.04	163.24	0.74	0.82	0.38				
	Waste Volume (gallons/month)	57,590,784	0	825,140	108,000	33,111				
	Waste Amount (kg)	218,321,427	0	375,064	294,372	125,521				
	Monthly EOL Benzene Quantity (kg)*	8.23	0.00	0.28	0.24	0.05	122.52	0.00	0.17	131.48
May-12	Individual Sample Results (ppm)	0.08	206.67	0.12	2.50	0.17				
		0.04	--	0.74	1.00	1.37				
		0.01	176.67	0.59	1.00	1.96				
		0.02	11.57	1.87	2.50	3.06				
		0.01	263.33	1.03	2.50	0.14				
	Average Sample Results (ppm)	0.03	164.56	0.87	1.90	1.34				
	Waste Volume (gallons/month)	56,145,960	0	511,260	79,000	41,213				
	Waste Amount (kg)	212,844,230	0	232,391	215,327	156,235				
	Monthly EOL Benzene Quantity (kg)*	6.79	0.00	0.20	0.41	0.21	61.14	0.00	0.16	68.91
June-12	Individual Sample Results (ppm)	0.0005	--	0.52	0.38	0.54				
		0.003	--	0.37	0.18	14.33				
		0.0008	79.00	0.31	1.68	28.33				
		0.02	50.67	0.03	0.25	11.37				
	Average Sample Results (ppm)	0.01	64.83	0.30	0.62	13.64				
	Waste Volume (gallons/month)	56,372,544	0	326,480	114,000	29,088				
	Waste Amount (kg)	213,703,190	0	148,400	310,726	110,270				
	Monthly EOL Benzene Quantity (kg)*	1.20	0.00	0.05	0.19	1.50	525.61	0.00	0.29	528.84
Quarterly Benzene totals (kg):		16.22	0.00	0.52	0.84	1.76	709.27	0.00	0.62	729.23

*For non-detect results, 1/2 the detection limit is used in the calculated quantity.

Second Quarter EOL Benzene Quantity (Mg):	0.72923	Second Quarter EOL Benzene Quantity (Kg):	729.23

Table 10
BWON Inspections - Second Quarter 2012
Michigan Refining Division

Complex	Unit	Date	Service/Description	First Attempt	Recommended Fix	Final repair	Final Repair Date
3/4	N/A	4/24/2012	BWON Used/Slop Oil Drum M-2	Latch Lid	Latch Lid	Lid Latched	4/24/2012
4	N/A	4/26/2012	BWON Used/Slop Oil Drum 4-1	Latch Lid	Latch Lid	Lid Latched	4/26/2012
1	N/A	4/30/2012	BWON Used/Slop Oil Drum 1-6	Install new drum	Install new drum	New Drum installed	5/4/2012
1	N/A	4/30/2012	BWON Used/Slop Oil Drum 1-1	Latch Lid	Latch Lid	Lid Latched	4/30/2012
1	N/A	4/30/2012	BWON Used/Slop Oil Drum 1-3	Latch Lid	Latch Lid	Lid Latched	4/30/2012
1	N/A	4/30/2012	BWON Used/Slop Oil Drum 1-9	Latch Lid	Latch Lid	Lid Latched	4/30/2012
2	N/A	4/30/2012	BWON Used/Slop Oil Drum 2-1	Latch Lid	Latch Lid	Lid Latched	4/30/2012
2	N/A	4/30/2012	BWON Used/Slop Oil Drum 2-2	Latch Lid	Latch Lid	Lid Latched	4/30/2012
2	N/A	4/30/2012	BWON Used/Slop Oil Drum 2-3	Latch Lid	Latch Lid	Lid Latched	4/30/2012
2	N/A	4/30/2012	BWON Used/Slop Oil Drum 2-4	Latch Lid	Latch Lid	Lid Latched	4/30/2012
N/A	N/A	4/30/2012	BWON Used/Slop Oil Drum W-1	Latch Lid	Latch Lid	Lid Latched	4/30/2012
N/A	N/A	4/30/2012	BWON Used/Slop Oil Drum M-1	Latch Lid	Latch Lid	Lid Latched	4/30/2012
5	34	5/3/2012	Water Draw #5860 NW Side of Tank 130	Latch Lid	Latch Lid	Lid Latched	5/18/2012
1	29	5/3/2012	Carbon Canister #16	Replace Hose	Replace Hose	Hoses Replaced	5/17/2012
1	29	5/8/2012	Carbon Canister #12	Replace Hose	Replace Hose	Hoses Replaced	5/17/2012
1	N/A	5/31/2012	BWON Used/Slop Oil Drum 1-1	Latch Lid	Latch Lid	Lid Latched	5/31/2012
1	N/A	5/31/2012	BWON Used/Slop Oil Drum 1-10	Latch Lid	Latch Lid	Lid Latched	5/31/2012
1	N/A	5/31/2012	BWON Used/Slop Oil Drum 1-3	Latch Lid	Latch Lid	Lid Latched	5/31/2012
1	N/A	5/31/2012	BWON Used/Slop Oil Drum 1-8	Latch Lid	Latch Lid	Lid Latched	5/31/2012
2	N/A	5/31/2012	BWON Used/Slop Oil Drum 2-1	Latch Lid	Latch Lid	Lid Latched	5/31/2012
2	N/A	5/31/2012	BWON Used/Slop Oil Drum 2-3	Latch Lid	Latch Lid	Lid Latched	5/31/2012
N/A	N/A	5/31/2012	BWON Used/Slop Oil Drum L-1	Latch Lid	Latch Lid	Lid Latched	6/4/2012
N/A	N/A	5/31/2012	BWON Used/Slop Oil Drum W-1	Latch Lid	Latch Lid	Lid Latched	5/31/2012
N/A	N/A	5/31/2012	BWON Used/Slop Oil Drum M-1	Latch Lid	Latch Lid	Lid Latched	5/31/2012
N/A	N/A	6/28/2012	BWON Used/Slop Oil Drum 1-8	Latch Lid	Latch Lid	Lid Latched	6/28/2012
N/A	N/A	6/28/2012	BWON Used/Slop Oil Drum W-1	Latch Lid	Latch Lid	Lid Latched	6/28/2012
N/A	N/A	6/28/2012	BWON Used/Slop Oil Drum M-1	Latch Lid	Latch Lid	Lid Latched	6/28/2012

FedEx Express NEW Package US Airbill 8010 4623 3453

MUR3

Form No. 0215 Sender's Copy

1 From Please print and press hard. Date 7-25-12 Sender's FedEx Account Number 2094-6778-0

Sender's Name Kelly Bertera Phone (313) 297-6386

Company MARATHON PETROLEUM COMPANY LP

Address 1300 S FORT ST

City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference MESS DEPT

3 To Recipient's Name MS. WILHEMINA MCLEMORE Phone (666) 666-6666

Company MDEQ- DISTRICT SUPERVISOR

Address 3058 W. GRAND BLVD. STE. 2300

Address

City DETROIT State MI ZIP 48202

0453186591

4 Express Package Service — Packages up to 150 lbs.

- FedEx First Overnight
- FedEx Priority Overnight
- X FedEx Standard Overnight
- NEW FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging — X FedEx Envelope* — FedEx Pak* — FedEx Box — FedEx Tube — Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery

No Signature Required — Direct Signature — Indirect Signature

Does this shipment contain dangerous goods? — X No — Yes — Dry Ice — Cargo Aircraft Only

7 Payment Bill to: — X Sender — Recipient — Third Party — Credit Card — Cash/Check

Total Packages — Total Weight — Total Declared Value*

611

The FedEx US Airbill has changed. See Section 4. For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

PEEL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED

FedEx Express NEW Package US Airbill 8770 7025 5788

MUR1

Form No. 0215 Sender's Copy

1 From Please print and press hard. Date 7-25-12 Sender's FedEx Account Number 2094-6778-0

Sender's Name KELLY BERTERA Phone (313) 297-6386

Company MARATHON PETROLEUM COMPANY LP

Address 1300 S FORT ST

City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference

3 To Recipient's Name

Director, Air Enforcement Division
U.S. Environmental Protection Agency
C/O Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932

Company

Address

Address

City State ZIP

0440979234

4 Express Package Service — Packages up to 150 lbs.

- FedEx First Overnight
- FedEx Priority Overnight
- X FedEx Standard Overnight
- NEW FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging — X FedEx Envelope* — FedEx Pak* — FedEx Box — FedEx Tube — Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery

No Signature Required — Direct Signature — Indirect Signature

Does this shipment contain dangerous goods? — X No — Yes — Dry Ice — Cargo Aircraft Only

7 Payment Bill to: — X Sender — Recipient — Third Party — Credit Card — Cash/Check

Total Packages — Total Weight — Total Declared Value*

611

The FedEx US Airbill has changed. See Section 4. For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

FedEx Express NEW Package US Airbill 8770 7025 5744

MUR1

Form No. 0215 Sender's Copy

1 From Please print and press hard. Date 7-25-12 Sender's FedEx Account Number 2094-6778-0

Sender's Name KELLY BERTERA Phone (313) 297-6386

Company MARATHON PETROLEUM COMPANY LP

Address 1300 S FORT ST

City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference

3 To Recipient's Name

U.S. ENVIRONMENTAL
PROTECTION AGENCY REGION 5 -
OFFICE OF REGIONAL COUNSEL
77 WEST JACKSON RD (C-14J)
CHICAGO, IL 60604

Company

Address

Address

City State ZIP

0440979234

4 Express Package Service — Packages up to 150 lbs.

- FedEx First Overnight
- FedEx Priority Overnight
- X FedEx Standard Overnight
- NEW FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging — X FedEx Envelope* — FedEx Pak* — FedEx Box — FedEx Tube — Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery

No Signature Required — Direct Signature — Indirect Signature

Does this shipment contain dangerous goods? — X No — Yes — Dry Ice — Cargo Aircraft Only

7 Payment Bill to: — X Sender — Recipient — Third Party — Credit Card — Cash/Check

Total Packages — Total Weight — Total Declared Value*

611

The FedEx US Airbill has changed. See Section 4. For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

FedEx Express NEW Package US Airbill 8770 7025 5777

MUR1

Form No. 0215 Sender's Copy

1 From Please print and press hard. Date 7-25-12 Sender's FedEx Account Number 2094-6778-0

Sender's Name KELLY BERTERA Phone (313) 297-6386

Company MARATHON PETROLEUM COMPANY LP

Address 1300 S FORT ST

City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference

3 To Recipient's Name

Director, Air Enforcement Division
U.S. Environmental Protection Agency
C/O Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932

Company

Address

Address

City State ZIP

0440979234

4 Express Package Service — Packages up to 150 lbs.

- FedEx First Overnight
- FedEx Priority Overnight
- FedEx Standard Overnight
- NEW FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging — X FedEx Envelope* — FedEx Pak* — FedEx Box — FedEx Tube — Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery

No Signature Required — Direct Signature — Indirect Signature

Does this shipment contain dangerous goods? — X No — Yes — Dry Ice — Cargo Aircraft Only

7 Payment Bill to: — X Sender — Recipient — Third Party — Credit Card — Cash/Check

Total Packages — Total Weight — Total Declared Value*

611

The FedEx US Airbill has changed. See Section 4. For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

FedEx Express NEW Package US Airbill 8770 7025 5755

MUR1

No. 0215 Sender's Copy

1 From Please print and press hard.
Date 7-25-12 Sender's FedEx Account Number 2094-6778-0
Sender's Name KELLY BERTERA Phone (313) 297-6386
Company MARATHON PETROLEUM COMPANY LP
Address 1300 S FORT ST
City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference

3 To
Recipient's Name Phone
Company AIR & RADIATION DIVISION
U.S EPA, REGION 5
Address 77 WEST JACKSON BLVD. (AE-17J)
CHICAGO, IL 60604
Address ATTN: COMPLIANCE OFFICER
City State ZIP

0440979234

The FedEx US Airbill has changed. See Section 4.
For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

4 Express Package Service
FedEx First Overnight
FedEx Priority Overnight
FedEx Standard Overnight
NEW FedEx 2Day A.M.
FedEx 2Day
FedEx Express Saver

5 Packaging
FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options
SATURDAY Delivery
No Signature Required Direct Signature Indirect Signature
Does this shipment contain dangerous goods?
No Yes Dry Ice Cargo Aircraft Only

7 Payment Bill to:
Sender Recipient Third Party Credit Card Cash/Check
Total Packages Total Weight Total Declared Value*

611

FedEx Express NEW Package US Airbill 8770 7025 5733

MUR1

No. 0215 Sender's Copy

1 From Please print and press hard.
Date 7-25-12 Sender's FedEx Account Number 2094-6778-0
Sender's Name KELLY BERTERA Phone (313) 297-6386
Company MARATHON PETROLEUM COMPANY LP
Address 1300 S FORT ST
City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference

3 To
Recipient's Name Phone
Company U.S. ENVIRONMENTAL
PROTECTION AGENCY REGION 5 -
OFFICE OF REGIONAL COUNSEL
Address 77 WEST JACKSON RD (C-14J)
Address CHICAGO, IL 60604
City State ZIP

0440979234

The FedEx US Airbill has changed. See Section 4.
For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

4 Express Package Service
FedEx First Overnight
FedEx Priority Overnight
FedEx Standard Overnight
NEW FedEx 2Day A.M.
FedEx 2Day
FedEx Express Saver

5 Packaging
FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options
SATURDAY Delivery
No Signature Required Direct Signature Indirect Signature
Does this shipment contain dangerous goods?
No Yes Dry Ice Cargo Aircraft Only

7 Payment Bill to:
Sender Recipient Third Party Credit Card Cash/Check
Total Packages Total Weight Total Declared Value*

611

FedEx Express NEW Package US Airbill 8770 7025 5766

MUR1

No. 0215 Sender's Copy

1 From Please print and press hard.
Date 7-25-12 Sender's FedEx Account Number 2094-6778-0
Sender's Name KELLY BERTERA Phone (313) 297-6386
Company MARATHON PETROLEUM COMPANY LP
Address 1300 S FORT ST
City DETROIT State MI ZIP 48217-1208

2 Your Internal Billing Reference

3 To
Recipient's Name Phone
Company AIR & RADIATION DIVISION
U.S EPA, REGION 5
Address 77 WEST JACKSON BLVD. (AE-17J)
CHICAGO, IL 60604
Address ATTN: COMPLIANCE OFFICER
City State ZIP

0440979234

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6 Special Handling and Delivery Signature Options
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No Signature Required Direct Signature Indirect Signature
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7 Payment Bill to:
Sender Recipient Third Party Credit Card Cash/Check
Total Packages Total Weight Total Declared Value*

611